

In the Matter of:)
)
The Preparation of the 2005) Docket No. 04-IEP-1
Integrated Energy Policy)
Report (2005 Energy Report))
)

PETERS SHORTHAND REPORTING CORPORATION (916) 362-2345

COMMISSIONERS PRESENT

John L. Geesman, Presiding Member

James D. Boyd, Associate Member

Jackalyne Pfannenstiel

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Michael Smith, Advisor

STAFF PRESENT

Kevin Kennedy

Karen Griffin

ALSO PRESENT

Tom Flynn, Deputy Director
CPUC

Maryam Ebke, Acting Director Strategic Planning
CPUC

James Hendry, Strategic Planning
CPUC

Steve Greenleaf, Director of Regulatory Policy
CAISO

Kevin Woodruff, Consultant
TURN

Robert Kinosian, Policy Advisor
ORA

Wayne Sakarias, Director, Legislative Analysis
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ALSO PRESENT (Continued)

Stuart Hemphill, Director of Resource
Planning and Strategy
SCE

Hal LaFlash, Director Gas and Electric Supply
PG & E

Katie Kaplan, Manager for State Policy
IEP

Bob Anderson, Director Commodity Operations
APS Energy Services

Fred Buckman, Chairman of the Board
Trans-Elect

Jesus Arredondo, Director of Regulatory and
Governmental Affairs-Western Region
WPTF

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1 P R O C E E D I N G S

2 PRESIDING MEMBER GEESMAN: This is Day
3 42 of the workshops for the Energy Commission's
4 2005 Integrated Energy Policy Report. I'm John
5 Geesman, the Presiding Member of the Integrated
6 Energy Policy Report Committee.

7 To my left Commissioner Jim Boyd, the
8 Associate Member. To his left, Mike Smith, his
9 staff advisor. To Mike's left, Commissioner
10 Jackalyne Pfannenstiel. To my right, Melissa
11 Jones, my staff advisor.

12 We are using today to try to frame some
13 big picture questions, if you will, that hopefully
14 will get input on from the various stakeholders as
15 to questions that ought to be addressed in our
16 report which will be released later this fall.

17 I recognize that the relevance of any
18 particular question or the perspective needed to
19 fully address it is really a function of when you
20 pose the question, and issues that may appear
21 important today may be less important 90 days from
22 now.

23 At the same time, our staff and
24 consultants have attempted to frame issues that we
25 think will be of enduring priority over the course

1 of this cycle. We certainly welcome the input of
2 all of the participants that we have been able to
3 attract to our agenda today and will certainly
4 invite additional public comments as well.

5 I would ask you to please let us know if
6 you think that there are other issues that we
7 should direct more focus on or if you think we are
8 looking at something in a way that isn't perhaps
9 as illuminating as you believe that it should be.

10 Commissioner Boyd?

11 COMMISSIONER BOYD: Thank you. Just
12 want to underscore what Commissioner Geesman said
13 about the importance of this subject to the
14 Integrated Energy Policy Report which we hope is a
15 product that is valuable to all of us who work in
16 the energy arena, most particularly in the
17 electricity area, so I look forward to a very
18 fruitful discussion today, and I think we should
19 begin.

20 PRESIDING MEMBER GEESMAN: Kevin, do you
21 want to kick things off?

22 MR. KENNEDY: Yes, thank you,
23 Commissioner. My name is Kevin Kennedy, and I am
24 the program manager for staff for the 2005
25 Integrated Energy Policy Report. I want to

1 welcome everyone who is here today and listening
2 on the web or on the phone to this workshop.

3 We do hope to have a very productive set
4 of discussions with the different panel,
5 discussions through the course of the day.

6 I just want to give first some quick
7 housekeeping items. I think most of you who are
8 here today actually are pretty familiar with this
9 set up and all, but in case there are any folks
10 who are not, restrooms are outside, down the hall
11 to the left. I have to ask you to be sure not to
12 go out the door to the outside through that side.
13 I'm sure somewhere in the course of today we will
14 hear the alarm go off when someone does actually
15 go through that door.

16 If you are looking for coffee or snacks,
17 there's a snack bar upstairs sort of just
18 upstairs, pretty much straight ahead.

19 I would also like to ask folks as we get
20 to the public comment during the course of the day
21 that this is being recorded so I would like to ask
22 folks to identify yourself, what organization you
23 are with. If at all possible if you can hand off
24 a business card to the court reporter as you are
25 going up to the mike or going back because it is

1 being recorded, we do ask that anyone who is
2 making comments to come up to the microphones.

3 I just want to give a very quick
4 overview of what we are doing today. First we
5 have a couple of panels this morning. Then we
6 will be taking one round of general public
7 comment. In order to make sure that we
8 accommodate anyone who can't stick around for the
9 afternoon session, if you do need to speak this
10 morning, please there are blue cards outside in
11 the entry way. If you could fill out a blue card,
12 we will get them up to the dias and make sure that
13 you can have your comments in this morning.

14 Then we will take a lunch break and then
15 we have a couple more panels in the afternoon and
16 then a final round of public comment.

17 This is also one of a series of
18 workshops, particularly on the electricity and
19 natural gas issues. As Commissioner Geesman
20 pointed out, this is I think No. 42 in the overall
21 course of things from when we started with the
22 scoping hearing last fall.

23 Last week we had hearings on the IOU
24 resource plans that had been filed with the Energy
25 Commission and on the demand forecast both staffs

1 and the ones that have been filed by the various
2 load serving entities, as well as a workshop on
3 looking at strategic value analysis for
4 integrating renewables.

5 Next week we have a workshop on energy
6 efficiency. I would like to point out that will
7 be up at Cal EPA and has a 10:00 starting time.
8 Next Thursday, the 14th, we have a workshop on
9 natural gas forecast and policy options.

10 At the end of July, we have additional
11 workshops on implementing the loading order and
12 taking a look at the statewide and western
13 regional resources and also a workshop on
14 transmission.

15 We come back to natural gas issues in
16 early August. There are a number of other
17 workshops that may be of interest over the course
18 of this period including a Climate Change Advisory
19 Committee meeting on Monday and a workshop on
20 climate change next week on Tuesday.

21 In August, we will be taking something
22 of a look at nuclear issues and clean coal issues
23 in workshops in mid August, so I encourage folks
24 to take a look at the Energy Commission, the IEPR
25 portion of the website for a complete listing of

1 the upcoming workshops.

2 I do want to post the call-in number for
3 folks who are listening in on the webcast if you
4 decide that you want to make comments. The number
5 is 888-942-8132. The pass code is workshop, and
6 the call leader is Peggy Faugust.

7 I'll leave this slide up so that folks
8 who are looking at the webcast can refer back to
9 it if you want to call in. Anybody who is
10 listening in on the call-in number, just a quick
11 reminder that the phone lines are open to the
12 rooms, so any background noise does get amplified,
13 so we ask you to keep your phone on mute if at all
14 possible. I do encourage the use of the webcast
15 for listening in if you are not planning to make
16 any comments.

17 With that, I want to turn it over to
18 Karen Griffin who is going to be doing the master
19 of ceremonies job for the day, sort of bringing
20 the panels up and back as we go through the day.
21 Thank you.

22 MS. GRIFFIN: Thank you, Kevin. I
23 understand that the price for actually getting one
24 set of comments in on time goes to Southern
25 California Edison. For the rest of you, written

1 comments are due by July 18. That date is in the
2 notice.

3 We are starting off with a panel of
4 state entities, and this consists of the PUC, the
5 ISO, and ORA. Robert Kinosian is still on his
6 way. Our PUC panelists starting off with James
7 Hendry from Strategic Planning, I think to be
8 followed by Tom Flynn who is the Deputy Director
9 now of the Office of Legislative Affairs, and
10 Maryam Ebke, who is the Acting Director of the
11 Division of Strategic Policy, will then be
12 followed by Steve Greenleaf who is the Director of
13 Regulatory Policy for the ISO. Batting clean up
14 will be Robert Kinosian, Policy Advisor, for the
15 Office of Rate Payer Advocates.

16 We have asked the panelists to make
17 their presentations then to have Commissioner
18 comment or questions on that and then invite both
19 the panelists and members of the audience to talk
20 about the issues that people have raised. Members
21 of the audience, you need to walk up to a mike and
22 talk so that your voice will go out over the web,
23 and our transcriber will get the information. If
24 you do talk, please give the transcriber a
25 business card so that your name and organization

1 can be spelled correctly.

2 With that, I'll turn it over to James.

3 MR. HENDRY: Thank you for the
4 opportunity to address the Commission today.
5 President Peevy sends his regrets that he could
6 not join you at this hearing. He is currently in
7 Southern California at the ceremony dedicating the
8 energizing of the Mission Regal Mine.

9 As a result of the Energy Action Plan, I
10 think the PUC views itself as much a partner in
11 this proceeding as a participant. We look forward
12 to the comments of the other parties in helping us
13 and you both frame the debate that California has
14 to face.

15 The results of your process should
16 provide the PUC with the recommendations and
17 establish an evidentiary record that will feed
18 into our proceedings. Therefore, we look forward
19 to some of the comments that parties will be
20 making.

21 The CEC should be commended for the
22 issues that it has raised today. It has clearly
23 addressed all of the big issues. We have on-going
24 proceedings that are trying to seek answers to
25 many of the very same questions.

1 Given the breadth of topics to be
2 covered, clearly will be a stretch to cover all of
3 these in the 15 minutes provided. We will try and
4 hit the highlights and try then, if you have
5 follow up questions, please feel free to ask them.

6 I will be planning to focus on the
7 issues of electric utility and supply and your
8 liability. Tom Flynn will then address
9 transmission issues and Maryam Ebke will address
10 natural gas issues.

11 With regard to electric issues and
12 liability, the Commission developed its 15 to 17
13 percent reserve level as a result of evidentiary
14 hearings in which the CEC and the ISO
15 participated. Testimony in this proceeding
16 confirmed that it was consistent with a one in ten
17 year reliability standard which was the current
18 goal.

19 The reserve level is consistent with
20 what other ISO's have adopted. It is consistent
21 with what the California ISO sets for municipal
22 utilities becoming metered sub systems under its
23 rules.

24 At the request of the administration,
25 the Commissioner accelerated the implementation of

1 these goals from 2008 to 2006.

2 Given the current supply situation,
3 particularly in Southern California, our short-
4 term focus should clearly be on achieving these
5 reserve levels by the 2006 deadline and applying
6 them to all load-serving entities.

7 The Commission has just issued its
8 Workshop Report on how to implement these resource
9 adequacy guidelines, and we plan to issue
10 decisions on this later this year.

11 We share the concern expressed in the
12 workshop notice that any resource adequacy
13 framework should address how to treat soft
14 resources properly such as energy efficiency,
15 demand response, and renewables.

16 Longer term, the Commission could
17 reexamine the appropriate level of the reserve
18 margin if needed. One of the successful outcomes
19 of the Energy Action Plan was to bring together
20 all of the energy agencies to develop a common
21 forecasting methodology. The benefit of this is
22 now we are able to look at not only the effect of
23 hot weather in system operations, but also other
24 factors such as plant outages of low hydro, and
25 thus we can begin to sort of develop more refined

1 estimates of what is the probability of hot
2 weather year occurring with a low hydro year
3 occurring with excessive plant outages to help
4 define various probabilities and develop scenarios
5 that we can then better plan with.

6 There is also an interaction longer term
7 between the reserve margin levels and dynamic and
8 real time pricing. Successfully implemented, real
9 time dynamic pricing could help reduce the level
10 of reserve margins needed to maintain a reliable
11 system.

12 Turning to the issue of resource
13 options, once California has made the decision,
14 what is the appropriate level of reliability. We
15 then have to decide the issue of how do you want
16 to meet these issues and what are the major policy
17 goals to address these.

18 The workshop notice clearly provides a
19 broad menu of options of potential resources upon
20 which California could rely. It is here I think
21 it is important to remember the phrase
22 "integrated" in the CPUC's Integrated Energy
23 Policy Report.

24 Each of the resource options offers
25 different characteristics as to type of resource,

1 base load, load following, peaking, costs,
2 environmental benefits, reliability,
3 deliverability.

4 The challenge for California is finding
5 the right mix of these resources and that best
6 meets the goals that we both agree on, reliable,
7 environmentally sensitive service at reasonable
8 rates.

9 The concept of integrated energy
10 planning that you are engaged in is very similar
11 to the concept of least cost/best fit methodology
12 that the Commission is using in its procurement
13 practice.

14 Integrated planning should fit well into
15 the least cost/best fit methodology adopted by the
16 PUC to evaluate new resources.

17 It is also important to look at when you
18 are looking at the range of diversity, costs,
19 environmental benefits, to take into account the
20 range of potential outcomes. For this reason, we
21 have requested the utilities provide their best
22 thinking in their long term plans, and that these
23 plans when we examine them will be examined in our
24 procurement proceeding.

25 It is also important that the utilities

1 provide a range of outcomes, not just essential
2 estimate so that we have a range of scenarios so
3 that we can decide then based on outcomes or a
4 range of outcomes and likely probabilities of them
5 occurring.

6 Diversity is not only a matter of
7 resources, it is also a matter of outcomes. The
8 CPUC has made this request to the Energy
9 Commission that in your Integrated Energy Policy
10 Report that you begin to help us address the range
11 of possible variations and outcomes that could
12 come from various resource options.

13 Regarding the menu of options, I would
14 like to briefly run through them and offer
15 comments in a way of the Commission's current
16 thinking is. With regard to new power plants, the
17 over hang of 8,000 MWs of permitted yet unbuilt
18 construction is clearly the result of two factors.
19 One, I think there is some what Alan Greenspan,
20 the Chairman of the Federal Reserve Bank would
21 call a "rational exuberance" as developers rush to
22 build power plants based on expectations of high
23 energy prices.

24 Second, there is clearly a back log as a
25 result of the financial melt down of California

1 utilities that prevented them from making long-
2 term commitments.

3 Having restored the utilities back to
4 their financial stability, the Commission is doing
5 as much as it can to move as many plants as
6 possible from the permitted side of the ledger
7 over to the operating side of the ledger.

8 Mountain View, Palomar, Otay Mesa are
9 all projects the Commission has approved. Soon we
10 will be considering PG & E's request to repower
11 and finish the Contra Costa 8 plant that it
12 received from Mirant as part of its settlement
13 regarding market manipulation issues arising from
14 the energy crisis.

15 We also have the potential for several
16 thousand MWs of new capacity coming from RFO's
17 issued by PG & E and Edison.

18 Longer term, some over hang of permitted
19 but unbuilt capacity should be viewed as a sign
20 that California has a viable energy market. We
21 should view permitted generation as an inventory,
22 not as a wasted resource.

23 Many developers are willing to invest
24 the significant time and money to permit new power
25 plants in order to have a place at the table and

1 be able to build when market conditions warrant.

2 What is important for these developers
3 are two things. First, that they know clearly
4 defined rules as to what the environmental and
5 permitting and siting conditions are going to be,
6 and this is a role that the Energy Commission has
7 been very successful at.

8 Second, they need to know that the
9 utilities procurement rules will be open, clear,
10 and transparent, something the PUC is implementing
11 in its policies.

12 At the other end of the spectrum from
13 new power plants, we have the existing largely
14 divested power plants. The Energy Commission is
15 asking if current policies are precluding the
16 repowering of these plants.

17 The Commission has taken steps to insure
18 that these plants remain available. They provide
19 important power to California to meet local
20 reliability needs. Many of them also provide very
21 important sort of load following and peaking
22 capabilities. Thus, they meet the least cost/best
23 fit criteria of providing a range of resources to
24 meet the various and shifting load patterns of the
25 state.

1 Second, retirement prevention may be the
2 best short term policy. Keeping these plants
3 available under short-term contracts essentially
4 is providing California with an option that will
5 allow us to repower these plants in the future and
6 keep them available for electric generation.

7 With regard to qualifying facilities,
8 the Commission shares the concerns of the CEC of
9 the importance of these resources, and as the
10 proceedings develop a long-term QF policy. In the
11 interim, the Commission has directed the utilities
12 to offer one year contract extensions to QF's who
13 have either expired contracts or soon to be
14 expiring contracts.

15 Our proceeding in this issue raises many
16 of the same issues of least cost/best fit analysis
17 in integrated policy planning. For example, what
18 are the contract terms that these contracts should
19 be renewed under. Should there be changes of
20 flexibility in the delivery options? What is the
21 price paid for this power and the length of any
22 new contracts?

23 With regard to coal by wire, the
24 proposed Energy Action Plan 2 proposes that
25 electricity supply serving California from any

1 source are consistent with the governor's Climate
2 Change Policy.

3 At this time, very little of the power
4 used by California is generated from coal. Coal
5 can provide diversity benefits, but clearly has
6 environmental consequences. Clearly there is a
7 trade off between making coal cleaner, including
8 potentially dealing with the issue of carbon
9 emissions and carbon sequestration and its cost
10 effectiveness.

11 As noted in the CEC's question, there is
12 also question of the potential technology risk of
13 the time and effort needed to develop the
14 technologies that will provide us with clean coal.

15 We have supportive efforts to develop
16 this technology and improve the environmental
17 profile of coal, and we look forward to the
18 workshops that you've announced in August that
19 will further explore this issue.

20 Finally, under renewables energy
21 efficiency, although we discussed them last,
22 clearly they are first in the Commission's
23 thinking. They are the preferred resources at the
24 top of the EAP loading order. Over the last year,
25 the Commission has adopted long range energy

1 efficiency goals, and the utilities have signed
2 contracts for between 900 to 1,200 MWs of new
3 renewable resources.

4 Your panel question asks about how we
5 can incorporate them into resource planning. I
6 think with energy efficiency, we have been very
7 successful in incorporating them into energy
8 resource planning as well as with renewables.

9 There are other concerns with renewables
10 that the Commission and the CEC are both
11 addressing which deal with one, trying to make
12 sure that renewable energy can be delivered, so we
13 are looking at issues such as Tehachapi
14 transmission area and upgrades to transmission in
15 that area, as well as the effect that some
16 renewable resources, primarily wind, which is more
17 of an intermittent resource, has on system
18 operation. These are issues which we look forward
19 to studying further.

20 Finally, I would like to talk briefly
21 about utility contracting procurement. As shown
22 above, the utilities procurement efforts have
23 resulted in new power plants, both traditional and
24 renewable coming on line.

25 The Commission has directed the

1 utilities to achieve a mix of long, mid, and short
2 term contracts consisting with traditional
3 portfolio theory, and to give California the
4 flexibility which could result to change market
5 conditions.

6 The appropriate mix of contract types is
7 one of the things the Commission will look at in
8 its procurement proceeding. The Commission also
9 has an on-going proceeding to look at procurement
10 incentives and how they can be used to promote new
11 capacity being developed.

12 We are also looking into capacity
13 markets, and in February of this year, President
14 Peevey directed the staff to report back on how to
15 implement a capacity market, issues that needed to
16 be addressed, and how markets such as that could
17 be developed.

18 Although procurement activities have
19 resulted in new construction, the utilities have
20 expressed concerns about signing longer term
21 contracts without further policy development by
22 the PUC and Energy Commission and concerns about
23 the future market structure.

24 With that, I would like to have Tom talk
25 about transmission issues and then Maryam talk

1 about natural gas issues.

2 MR. FLYNN: Good morning, Commissioners.

3 In looking at the transmission questions in the
4 workshop notice, I would definitely say we share
5 the focus of many of those transmission related
6 questions and concerns.

7 You pose the question of do we need more
8 transmission, do we need a more robust
9 transmission system. There is definitely
10 recognition of the need for the timely addition of
11 new transmission infrastructure in California.

12 Quite simply, we've got to accommodate
13 load growth, we have a mandate connecting
14 renewable generation to the grid, we need to
15 interconnect other new generation, and we need to
16 look for ways to reduce local market power
17 generating units such as reducing the reliance on
18 must-run generation.

19 We've got to explore and consider
20 opportunities for importing power from the most
21 economic sources over long distances, and we need
22 to consider a transmission's ability to provide
23 flexibility in our choice of power sources, an
24 easier substitution in the case of failure in the
25 system.

1 As a general matter at the present time,
2 more transmission is probably better, but that
3 statement by itself is not policy. It is
4 definitely a balancing act. We are all familiar
5 with some of the negatives associated with
6 transmission. It is ascetically undesirable, it
7 has negative environmental consequences, it is
8 hard to site. The benefits are not always enjoyed
9 by those whose environment is affected.

10 We do have a loading order that we've
11 all embraced and try to put things first, forward
12 energy efficiency as an example first in the
13 loading order. There is a lot of support for
14 that. I know in the legislature, I am familiar
15 with a bill over there that Senator Kehoe has to
16 codify actually that portion of the loading order.
17 The PUC supports that bill.

18 Despite the challenges of siting new
19 transmission, I'd like to note that fortunately
20 that the PUC has of late approved some important
21 transmission projects. As Jim Hendry was
22 mentioning, San Diego's Mission Miguel Project, a
23 portion of that was accelerated, and there is an
24 event relative to the energization of that
25 accelerated portion. The PUC worked with San

1 Diego Gas and Electric to move up the date of that
2 accelerated portion to be of use for this summer.

3 There's Edison's Viejo Project and PG &
4 E's Jefferson Martin Project. The latter project
5 is one that definitely has some challenges
6 associated with it that we had to work through.

7 The transmission results and
8 recommendations of the IEPR process will
9 definitely provide some very valuable input into
10 the PUC's long term procurement process. It is
11 something that we are looking forward to receiving
12 in terms of that input. We know the Commission is
13 putting a lot of effort into that, and I think it
14 will be extremely helpful. It will help inform
15 the supply plans that are ultimately submitted by
16 the IOU's in our long term procurement process in
17 the 2006 cycle.

18 In terms of long term procurement in
19 transmission, the PUC is responsible for reviewing
20 and approving the long term procurement plans of
21 IOU's. Those plans will identify transmission
22 upgrades and additions that are necessary to
23 support those supply plans or those resource
24 plans. That process needs to be very well
25 coordinated with the ISO's long term group

1 planning process and the CEC's IEPR process.

2 In the 2004 cycle, we provided feedback
3 to the utilities that we think there should be a
4 stronger linkage going back to one of your
5 questions, there should be a stronger linkage
6 between the process of identifying supply options
7 and transmission options and have directed them to
8 strengthen that linkage in the next cycle of our
9 procurement process.

10 Coming out of that, we have some CPCN
11 applications that are currently before us. We
12 have Otay 230 KV Project associated with the
13 generation project. We have Deevers Palo Verde
14 No. 2 and some Tehachapi wind resource related
15 transmission. Antelope Party 500 KV, known as
16 Antelope 1, and then the project known as Antelope
17 2, the Antelope Tehachapi Vincent 500 KV, both of
18 those are before us.

19 We also are considering some permits to
20 construct, a slightly lesser process than a CPCN
21 for projects less than 200 KV, there is a Silver
22 Gate 138 KV underground line and substation and
23 the Lakeville Sonomoa 115 KV line.

24 In addition, we also have other projects
25 that are under study, the Antelope Mesa 500 KV

1 reconductor and rebuild, the second Antelope
2 Vincent 500 KV line, the collector system for the
3 Tehachapi wind farm, the Tehachapi Greg Tesla 500
4 KV line, Tehachapi Midway Tesla 500 KV line, the
5 Salt and CG thermal 330 KV line to enable that
6 tremendous renewable resource area to better
7 connect to the grid and the Delta 230 KV
8 substation.

9 MS. EBKE: Good morning, I know we have
10 already gone over our 15 minutes, so I will have
11 very brief remarks on natural gas trying to
12 respond to questions.

13 As I am sure you are aware, PUC is
14 working collaboratively with the Energy Commission
15 and other state agency on natural gas issues, both
16 in natural gas and liquified natural gas LNG
17 working groups.

18 We have jointly sponsored many
19 workshops. I know some of you have attended those
20 workshops to address natural gas issues and
21 explore ways to insure reliable supply of natural
22 gas exists for California consumers.

23 The last time PUC made an overall
24 evaluation of the adequacy of California's natural
25 gas infrastructure was at the end of 2001. At

1 that time, the PUC found that the state's natural
2 gas transportation and storage system was adequate
3 for the period of 2002 to 2006 to provide
4 seasonally reliable amounts of competitively
5 priced natural gas to residential, commercial,
6 industrial, and electric generation customers.

7 There have been no curtailments of any
8 California natural gas consumers since that time,
9 and none are expected by the end of 2006.

10 In order to insure that adequate natural
11 gas infrastructure for electric supply exists, the
12 state needs to establish policies and regulatory
13 structures that would do the following: a certain
14 amount of slack capacity on interstate and
15 intrastate natural gas transmission lines,
16 sufficient natural gas storage capacity for
17 utility customers who want to use that service, we
18 need to insure that there is non-discriminatory
19 open access to utility systems for new sources of
20 supply such as LNG, and diverse access to natural
21 gas supply areas, particularly to low cost
22 supplies must be available.

23 The PUC is currently considering these
24 issues in various proceedings, especially in rule
25 making R0401025. In that proceeding, the PUC

1 directed the utilities to submit tariffs and also
2 set forth a policy for non-discriminatory open
3 access to utility system for new sources of
4 supply.

5 In order to more fully understand the
6 adequacy of the California natural gas
7 infrastructure and the impacts of current
8 procurement practices, the PUC's energy division
9 is gathering information from the electric
10 utilities and will be issuing a report on
11 September 15, 2005 addressing the natural gas
12 requirements of the state's regulated electric
13 utilities and whether adequate infrastructure will
14 be available in the future to serve those
15 requirements.

16 In addition, the PUC just received
17 testimony from SoCal Gas, SDG & E, and PG & E on
18 June 14 regarding the appropriate amount of slack
19 capacity on their system under a variety of
20 different scenarios, adequacy of storage, and
21 recommended policy including deliverability
22 standards on when and under what conditions
23 utility infrastructure enhancements should be
24 built. Other parties will have an opportunity to
25 file testimony on those issues.

1 Finally in another SoCal Gas SDG & E
2 application 0412004, the PUC is considering
3 proposals for firm access rights under SoCal Gas
4 and SDG & E Systems. I should note that a system
5 of firm tradeable transmission and storage rights
6 already exist on PG & E's system.

7 After the Commission reviews the
8 evidence and briefs and comments of parties, it
9 can determine whether the electric utilities
10 current efforts will insure that there will be
11 sufficient natural gas infrastructure to support
12 their electricity supply.

13 If the electric utilities have not done
14 so, it may be appropriate to require electric
15 utilities to obtain firm natural gas transmission
16 and storage rights so that their natural gas
17 requirements can be met on a highly reliable
18 basis.

19 The Commission, however, has no
20 jurisdiction over municipalities which provide
21 their own electric supply, therefore, the
22 Commission has no way of knowing whether the
23 municipalities will have sufficient natural gas
24 infrastructure to meet their electrical needs.

25 With that, we will be happy to answer

1 any questions you might have.

2 PRESIDING MEMBER GEESMAN: Maryam, Tom,
3 and Jim I want to thank you for being here and for
4 the remarks that you've made and also for the
5 close working relationship that our staff and
6 yours have enjoyed throughout this process.

7 I have a couple of questions largely for
8 Jim and Tom prompted by a couple of things that
9 you said. First on the resource adequacy
10 criteria, I don't know, Jim, if you were at the
11 last Energy Action Planning Meeting that we had,
12 the joint commissions and cabinet secretaries, but
13 I was very alarmed by the presentation that the
14 Energy Commission staff made showing that even
15 with the 15 to 17 percent planning reserve margin
16 and a 7 percent operating reserve margin, that
17 conditions in Southern California under hot
18 temperature, one and ten weather year, still came
19 down to unacceptable low levels. My recollection,
20 and I may be wrong on the specifics, but my
21 recollection was that projected reserve, having
22 met the operating reserve criteria, having met the
23 planning reserve criteria, would more likely be
24 less than 1 percent in a one in ten.

25 The conclusion I draw from that, and my

1 question is whether you think the conclusion or
2 the inferences is appropriate, the conclusion I
3 draw from that is that we have not adequately
4 interconnected our generating facilities with load
5 and that the way in which to make those reserve
6 criteria better suit adverse weather conditions
7 would be to improve our transmission intercom
8 activity, and that the real drain on our system in
9 that table that I think all of the staff now have
10 agreed in terms of the format, the real drain
11 there comes from the ISO assumptions about
12 transmission limitations.

13 MR. HENDRY: I think you've raised a
14 very good point in what is in the Resource
15 Adequacy Report is the question of deliverability,
16 so it is 15 to 17 percent, and it has moved beyond
17 sort of, you know, a statewide look or even a
18 utility look, and will likely when finally
19 implemented be down to some sort of local
20 deliverability area that will address then
21 transmission constraints.

22 I think once we get to that level and
23 get the resources in place, I think I agree with
24 you that then the levels probably should be
25 sufficient because you want to make sure that one

1 of the criteria is making sure that resources that
2 you count are deliverable and that the
3 transmission capacity is there. So, I think we
4 are in agreement on that issue in that it is more
5 of a question from the Resource Adequacy Workshop
6 Report how to implement that given the current
7 resource situation whether, you know, the speed
8 with which we can phase that in.

9 PRESIDING MEMBER GEESMAN: Because I
10 don't think it is either feasible or desirable
11 from a policy standpoint to head in the other
12 direction, which is to suggest that our planning
13 reserves need to be adjusted upward to the mid
14 20's or higher in order to provide for that
15 adverse weather scenario. I haven't heard anyone
16 suggesting that we can realistically move that
17 planning reserve target up above the fairly
18 aggressive 15 to 17 percent that we have been
19 observing for the last couple of years.

20 Let me ask you as well, your comments
21 about the benefits about the existing plants. It
22 causes me a little concern in the context of the
23 study we did last year as to the attributes of the
24 so-called aging plants. I think that you
25 accurately capsulized the various benefits. I

1 think there are some real detriments though as
2 well, and I think they relate to that 8,500 MWs of
3 permits that have not yet proceeded to
4 construction.

5 When we looked at the existing plants
6 last year, we saw that on average they were
7 operating 21 to 22 percent of the time. The
8 investment banker in me says nobody would make any
9 money at 21 or 22 percent operating factor, and
10 certainly no developer of a new plant is likely to
11 find that operating profile an attractive one.

12 These plants are, I think, anticipated
13 or hoped to operate when they are new in excess of
14 65 or 70 percent of the time, and I think the
15 financings are based on those types of
16 assumptions, which is one of the reasons why we
17 seemed to have moved to a utility procurement
18 model, and most of the country is determined that
19 the merchant model is dead.

20 Doesn't that suggest that we've got too
21 many old plants around if we are going to
22 encourage procurement that results in the
23 construction of new plants, aren't we going to
24 have to replace the old plants? Don't they
25 constitute an over hang that makes investment in

1 new plants unattractive?

2 MR. HENDRY: That is a very complex
3 question, and I think that it is one that would
4 benefit from extensive analysis. I think, you
5 know, one concern is you do have the least
6 cost/best fit analysis, and you do have a load
7 profile that goes up and down, and there is a need
8 for load following plants.

9 If you want to also have extra plants
10 available to deal with planning and operation
11 reserve margins, then it is quite likely that
12 under any system, you are going to end up with a
13 fair number of plants that are going to be load
14 following plants or only going to run 20 to 30
15 percent of the time --

16 PRESIDING MEMBER GEESMAN: Or less.

17 MR. HENDRY: -- or less, and clearly the
18 financial market would rather build base load
19 plants, and you can build peaker plants as we did
20 during the energy crisis, and maybe what we need
21 to look at is sort of a life cycle of plants that
22 many of these plants, you know, started as base
23 load plants, and as they got older now and become
24 less efficient, they have moved to basically being
25 load following plants. To the extent you need

1 load following plants, and the market doesn't seem
2 to build them, then this may be the relative
3 candidate pool from which we end up getting most
4 of our load following capabilities.

5 It does not rule out that some of these
6 plants over time may be beneficial and cost
7 effective to repowering and become base loaded
8 plants, but I think, you know, unless there is a
9 need that these plants will run as base loaded
10 plants, I am not sure it makes sense to repower
11 them and considering have them run 20 percent of
12 the time to the extent that they are older and are
13 running 20 percent of the time currently. That may
14 be the way to keep them going.

15 Because of the load following benefits
16 that they provide, you also have to look at I
17 guess for at least these existing plants is these
18 plants are older or depreciated, they were
19 purchased when the utilities sold off the power
20 plants to them. They were sold off, I think the
21 average book value is about \$150 a KW, which is
22 significantly below the 700 KW or so you would
23 need for a new power plant.

24 Even when you add in pollution
25 retrofits, on-going maintenance, you know, there

1 is an economic calculation that should be made
2 that may be at 22 percent. How profitable or
3 unprofitable they are, and then longer term when
4 you start phasing in resource adequacy clearly
5 these plants may be the sort of the prime
6 candidates that you looking more for longer term
7 capacity contracts for them to make their return
8 rather than sales under the energy market. So, is
9 the resource adequacy a longer term capacity
10 markets get phased in or even pre-resource
11 adequacy, just the existing procurement activities
12 that the utilities have engaged in and signed
13 these plants up to meet local reliability needs
14 may give them a cash flow sufficient to keep them
15 around.

16 PRESIDING MEMBER GEESMAN: Is that good?
17 Are these artificial life support mechanisms,
18 which are really the only reason those existing
19 plants are still around, are they a disincentive
20 to new construction, new investment?

21 MR. HENDRY: They may be on the margin,
22 but there will be a need for load following
23 plants, and somehow that does not seem to be a
24 market that either the investment community seems
25 willing to invest in or that may make sense from

1 an economic perspective to build new plants to
2 then have them run 20 percent of the time.

3 Ideally, I think there may be a middle
4 ground where you have new plants come on line in
5 advance of need and can sort of serve this load
6 following purpose, and then as demand grows, they
7 move to being base loaded plants, that was one of
8 the justifications at the Mountain View plant, the
9 assumption to come on originally to provide sort
10 of load following benefits, and there is load
11 growth rows would become a base load plant.

12 I haven't checked, I think recent
13 forecasts may have changed that operating
14 paradigm, but you know, I think there is an
15 interaction there, but there are also benefits
16 that I am not quite sure how you weigh the two,
17 and I think that is an issue that clearly your
18 agency and our agency need to look at, and I think
19 we are looking at.

20 PRESIDING MEMBER GEESMAN: Tom, I had a
21 couple of questions related to transmission. You
22 ran through the lengthy laundry list of individual
23 projects. I guess one of the concerns that I
24 think continues to hang over this whole subject
25 matter is those projects are all applicant driven.

1 Is an applicant driven process likely to result in
2 the types of infrastructure or lines or routes
3 best configured to meet California's future needs,
4 especially when those needs change rapidly?

5 An example being the renewables area the
6 state has jumped on so hard over just the last
7 several years, is an applicant driven planning
8 process ever likely to result in a good match up
9 to the state's strategic needs?

10 MR. FLYNN: I guess maybe a different
11 point of view would be instead of -- I guess I
12 don't really view it as completely an applicant
13 driven process. I mean quite honestly, I view the
14 IEPR process, the PUC's procurement process, the
15 ISO's grid planning process, the WECC processes as
16 all having a hand in forming what ultimately is
17 applied for in terms of permit at the relative
18 regulatory agencies involved, whether they be
19 muni's or IOU's in California or what have you.

20 The applicant step is kind of the way I
21 look at it is one of the later steps that happens
22 after lots of interested entities have played a
23 role in trying to influence what ultimately is
24 applied for. I see it as somewhat of a kind of a
25 conglomerate of many interests.

1 PRESIDING MEMBER GEESMAN: Walk me
2 through Tehachapi Segment 3 and tell me how that
3 has worked. My perception is you told Edison to
4 do it, they sued you in state court, they won.
5 They came up with a good idea, a renewable trunk
6 line. They went to FERC to get permission to do
7 it, your Commission, my Commission both said this
8 is a great idea FERC, help us address our
9 infrastructure problems, authorize us to do that.

10 The FERC staff and others said that is
11 too much of a delegation of power to the state
12 commissioners, let's keep that jurisdiction here,
13 and FERC seems to have taken that option away from
14 us. Where do we go with Segment 3?

15 MR. FLYNN: I wish I had a good answer
16 for you. I have to apologize, I am not as up on
17 that as I wish I was.

18 PRESIDING MEMBER GEESMAN: Let me ask
19 you a different question then. Jefferson Martin
20 decision involved undergrounding some of the line
21 to an eleven foot depth. Do you see that becoming
22 a new standard for undergrounding? I believe in
23 Jefferson Martin it was suggested as an EMF
24 mitigation measure.

25 MR. FLYNN: I think it was in direct

1 response to concerns of homeowners and landowners
2 in the area. I don't necessarily see it as
3 precedent setting. It would certainly have
4 pressure in that direction. There would be those
5 that would like to see it be precedent setting,
6 but I don't think the Commission views it that
7 way.

8 PRESIDING MEMBER GEESMAN: What is the
9 difference between three feet and eleven feet?

10 MR. FLYNN: Again, I think it was in
11 response to concerns raised by some of the
12 homeowners in the area. As I mentioned earlier,
13 siting transmission is a challenge, and, you know,
14 getting the support of those that are directly
15 affected by a new transmission line is very
16 important, and I think it is just part of the
17 balancing process of trying to get an important
18 line like Jefferson Martin on line.

19 PRESIDING MEMBER GEESMAN: Thanks very
20 much. Commissioner Boyd?

21 COMMISSIONER BOYD: Thank you. First I
22 want to thank the three of you as Commissioner
23 Geesman did for being here, and I want to amplify
24 what Maryam said about the cooperative work that
25 our agency has been doing as she and I know in

1 particular I guess on the natural gas area.

2 I want to just ask a question about the
3 8,000 MWs of permitted but not built generation we
4 have sitting in reserve, I guess, I don't know if
5 that is a good Chamber of Commerce reserve to have
6 or not with regard to the business climate of
7 California. One of the questions the staff posed
8 was about whether we, the State of California or
9 whomever is playing in this area, are providing
10 adequate long term incentives for building new
11 generation.

12 On of the concerns I've had for a long
13 time, just looking at the economics and maybe
14 piggy backing on Commissioner Geesman's investment
15 banking experience is to me we haven't gone out
16 very long as of yet, and without going pretty
17 long, i.e. really long term in procurement, it is
18 really hard to induce if not seduce investment
19 community to engage with the applicants for new
20 generation in financing said generation because we
21 have such an uncertain future. Our hybrid system,
22 which settled into the procurement process got
23 modified somewhat by allowing utilities to build
24 some of their own.

25 None the less, I didn't hear in your

1 comments, and maybe James this is primarily you,
2 any indication of uncomfortableness or frankly
3 comfortableness with our ability to attract
4 capital to finance the new construction and what
5 with the concerns about Southern California, I
6 guess I get more concerned.

7 Any thoughts on that?

8 MR HENDRY: I think as I said in my
9 comments with the utilities back being financially
10 solvent, the utilities are capable of entering
11 into longer terms contracts and have done so. As
12 I said, Mountain View, Otay Mesa, Palomar are all
13 examples of that.

14 Going forward, the Edison RFO, which is
15 going out for ten years, so I think the utilities
16 are capable of going to Wall Street and selling
17 projects. The merchant sector, again, is looking
18 for I think longer term contracts as well.

19 Again, it is a matter of I think the
20 utilities can go to the extent they arrange
21 financing from us, can then hold a procurement
22 process that brings in competitive merchant
23 generators who can then build based on receiving
24 this longer term contract.

25 The ten years was, and there is

1 discussions about this in the procurement
2 decision, you know, sort of seems to be the
3 minimal amount that Wall Street is comfortable
4 with. It is unclear if there may perhaps be
5 higher financing costs for not going out longer.
6 Again, it is the difference between sort of 15
7 year or 30 year mortgage when you buy a house.
8 So, looking at longer terms of cost benefits is
9 probably an issue that needs to be looked at.

10 You have also addressed the issue of the
11 uncertainty from the hybrid market place, and as I
12 noted in my comments, it is one of the concerns
13 that the utilities have had in terms of their
14 willingness to make these longer term investments,
15 so there is a concern there. I think the
16 utilities, now that they are back in financial
17 solvency and with the guidance from the Commission
18 and the procurement proceeding and with guarantees
19 that under AB 57 that utility investments are
20 guaranteed, you know, a reasonable opportunity of
21 recovering their costs. It is clear the utilities
22 can make these long term commitments for new
23 capacity and that we are trying to insure an open
24 competitive process so that all plant developers
25 can have a fair chance to compete when those

1 projects go out for bid.

2 COMMISSIONER BOYD: The 8,000 MWs that
3 we have in reserve are heavily if not exclusively,
4 and I don't recall each and every one of them any
5 longer, merchant plants. Your answer is heavily
6 oriented towards the utilities providing
7 generation, and I guess I just leave that as a
8 statement, that to me is somewhat of a dilemma
9 that we need to address. We don't really have a
10 reserve of utility proposed generation, and you
11 seem to be banking heavily if not exclusively on
12 the utilities. We still have a long ways to go I
13 guess in dealing with this hybrid system that
14 evolved. An observation.

15 PRESIDING MEMBER GEESMAN: Commissioner
16 Pfannenstiel.

17 COMMISSIONER PFANNENSTIEL: Thank you,
18 Commissioner Geesman. Just a follow up question
19 really for James. On this whole issue of what is
20 needed to bring those 8,000 MWs or the subsequent
21 ones that will be coming through here into
22 construction and then into operation, and am I
23 hearing correctly that you think that really the
24 process is in place now, that it is a matter of
25 working off this backlog from prior constraints on

1 utility financial position? Do you think the
2 regulatory mechanisms are in place, that there is
3 sufficient confidence in the California regulatory
4 system that the financing will be forthcoming, or
5 are you looking for further changes in the
6 regulatory mechanism to make that happen?

7 MR. HENDRY: I think looking at the
8 projects that we have approved and that have been
9 going ahead, that Commission approval of a utility
10 project which then may go out and contract with a
11 third party merchant generator into purchasing the
12 obligation or the siting from them is clearly a
13 viable financing option.

14 You know, one of the Commission's main
15 concern clearly is regulating the investor-owned
16 utilities that we regulate and making sure they
17 provide reliable service. I think my comments are
18 mainly focused on what the utilities we regulate
19 do. Clearly there is a direct access market in
20 California, but it is probably this hybrid system
21 which has 14 percent of the load, and one would
22 expect that over time there should be projects
23 developed that would serve that market.

24 I am not sure, I mean, various reasons
25 have been offered as to why projects are not being

1 built to serve that sector of the market, you
2 know, uncertainty regarding financing, uncertainty
3 overload, regulatory uncertainty, all those issues
4 which I think, you know, have to be looked at some
5 point.

6 Going forward one of the issues is when
7 the Commission adopts its resource adequacy
8 framework, which will then require all load
9 serving entities, including the direct access
10 customers and community choice aggregators to
11 procure capacity under contract and 15 to 17
12 percent reserve is that may or may not -- we are
13 hoping it will also provide incentives for those
14 customers to then go out and say okay to meet this
15 reserve requirement, the best way to do it is to
16 go out and build new construction and that there
17 will be sort of a meeting of the minds between the
18 direct access service providers saying we have to
19 meet this requirement to serve our customers and
20 keep in business, and the merchant developers are
21 saying here is a potential market first to serve,
22 and the Wall Street financial community is saying
23 this looks like a profitable deal for us to go
24 forward on.

25 So, I think the resource adequacy

1 framework is one way this may be extended out to
2 the entities not regulated, the entities that are
3 not directly under the PUC's procurement process.
4 Also, longer term there is the issue of capacity
5 markets, which may or may not offer some sort of
6 incentives for sort of the longer term investment
7 strategy, and that is something the Commission has
8 not weighed in on yet because we realize that is
9 something that needs to be looked at and we are
10 looking at pursuant to President Peevey's
11 direction.

12 COMMISSION PFANNENSTIEL: Thank you. It
13 seems like in about every forum on that these
14 days, everybody is asking the question about why
15 aren't plants being built in California, and it
16 seems like every participant has his or her own
17 opinions on that, so I was asking yours. Thank
18 you very much.

19 PRESIDING MEMBER GEESMAN: Steve, I
20 think you are next.

21 MR. GREENLEAF: Good morning,
22 Commissioners and staff members. Steve Greenleaf,
23 Director of Regulator Policy at the ISO.

24 Thank you for allowing me to be here
25 today. I don't have any prepared comments today,

1 so therefore, this will be mercifully short. With
2 that, I would like to touch on just three topics.

3 I think as Jim noted earlier, the
4 Commission has raised quite a number of very
5 important issues, and I'd like to touch on at
6 least three areas that I think bear on some of
7 those questions.

8 The first is capacity markets, and I
9 just want to reiterate a commitment and a
10 statement that ISO CEO Yakout Mansour made at the
11 June 2 technical conference on infrastructure
12 development in California.

13 With that, Yakout committed to moving
14 forward with an examination of the viability of
15 capacity markets and developing capacity markets
16 in California.

17 We do think capacity markets can be an
18 appropriate and needed compliment to the resource
19 adequacy framework that the state and in
20 particular the PUC is forwarding and furthering.

21 Primarily for a couple of reasons. One
22 is providing a means for LSE's be they large or
23 small to satisfy the RA requirements established
24 by the PUC. Secondly and just as importantly is
25 to really equitably share the costs of maintaining

1 resource adequacy for the state.

2 Third and bearing out a number of the
3 issues here, we do think by establishing clear
4 rules and a transparent market or reserves, for
5 capacity in California, you can provide an
6 incentive for future investment in critical energy
7 infrastructure.

8 That is one initiative that has moved
9 forward. I think it is important to clarify
10 because I think subsequent to Yakout Mansour's
11 comment, a number of people viewed that as somehow
12 being in competition with the state or the PUC's
13 efforts on resource adequacy, and we don't view it
14 that way at all. We believe as Jim noted the
15 Commission is presently examining the issue of
16 capacity markets. Our effort we think can feed
17 into that quite well and compliment that. In no
18 way do we view this at all as kind of redoing or
19 reexamining the issues that have been on the table
20 and before the PUC over the last several years. I
21 think that is an important clarification.

22 The second point I would like to make is
23 with respect to transmission planning, and I think
24 Commission Geesman you touched on a number of
25 points that I think bear on this. Another

1 initiative that certainly Yakout has interest in
2 undertaking expeditiously is what he terms a
3 proactive transmission planning process, and it
4 has worked well.

5 Today's process really relies and builds
6 off utilities submitted or PTO's submitted,
7 Participating Transmission Owners submitted
8 transmission plans to the ISO from which the ISO
9 develops its integrated plan for the state.

10 Yakout wants to be much more proactive in that
11 sense, and perhaps this is what you were getting
12 at with respect to an applicant driven process.

13 Yakout Mansour clearly sees the need for
14 the ISO to step forward in the first instance and
15 identify critical projects as indicated by a
16 number of costs, in particular, congestion costs
17 on the system today.

18 Yakout as far as I can tell intends to
19 proceed this year with implementing that proactive
20 transmission planning process, wherein the ISO
21 will develop key projects and basically put those
22 out for the transmission owners to incorporate in
23 their plans or not. In the absence of them
24 stepping forward with those projects, this process
25 in our mind would contemplate putting that out and

1 examining alternative ways to make sure those
2 projects get built be it by third parties or what
3 not.

4 Clearly the emphasis, we believe there
5 is an important emphasis on expanding transmission
6 development. That also bears in part on the issue
7 of reliance on RMR and existing local generation.
8 Clearly and appropriately, the PUC and as
9 supported by the ISO is moving forward and
10 establishing local deliverability requirements or
11 local capacity requirements. Those inherently
12 rely on existing generation today.

13 Whether they will provide sufficient
14 incentives for new generation in those load
15 pockets remains to be seen and bears on a number
16 of other important issues and elements of the RA
17 framework. None the less, transmission has to be
18 a key consideration as an alternative to
19 satisfying that. The local capacity requirements
20 that exist today and that have been promulgated by
21 the ISO are a direct consequence of existing grid
22 topology and the constraints that exist.

23 Clearly the need is to examine not only
24 whether it is appropriate to rely on local
25 capacity or generation resources but also the

1 transmission alternative. We think the ISO's
2 proactive transmission policy going forward can do
3 that and provide a benchmark or setting a bogey
4 out there for consideration.

5 That bears on the third issue which is
6 integrated planning. I'm not exactly sure where
7 the home for that is today, whether that is before
8 this Commission and the IEPR process or before the
9 PUC in a long term procurement, but regardless of
10 that, there has to be a renewed focus on
11 integrated planning.

12 Jim spoke to a number of elements of
13 that and spoke to consideration and
14 diversification within the generation, just on the
15 generation side, clearly there needs to be a
16 weighing of the benefits, cost and benefits of
17 going with generation or transmission. That is
18 the key aspect of integrated planning from our
19 vantage point.

20 Going back to the second issue, of
21 course, the proactive transmission planning, we
22 think can be key element or a key contributor and
23 inform the integrated planning process that the
24 state undertakes.

25 Lastly, as I recall the meeting notice,

1 the Commission asked whether and what legislative
2 and regulatory action needs to be taken. Clearly
3 in our view, the critical next step is for the PUC
4 to move forward expeditiously and get the resource
5 adequacy order out. We do have concerns based on
6 the timeline, at least the timeline that we
7 project. It looks like it is heading towards an
8 October order which would mean the first
9 demonstration for resource adequacy would not be
10 until January/February of 2006 which causes some
11 concern that as we head into summer 2006, we once
12 again will be going in somewhat blind to the
13 resource picture.

14 Now of course, you can rely on the
15 monthly demonstration at that point, and that will
16 be important, but none the less, the forward
17 looking, the year ahead looking process is going
18 to be key going forward, so more than anything, we
19 would urge the PUC to move ahead expeditiously and
20 get that order out.

21 I think that in part bears the answer to
22 your question regarding the 8,500 MWs, and it
23 really goes to the broader issue of regulatory
24 certainty. I don't think the market will step
25 forward. I don't think investors will step

1 forward until there is a clear and stable set of
2 regulatory rules that exist today.

3 It is not only what we move towards, it
4 is what we move away from. I may steal Greg Blues
5 thunder, I know he is in the audience, and part of
6 that is the must offer. Clearly, if you talk to
7 the suppliers out there and the investors out
8 there, they would characterize the existing must
9 offer obligation as a free call option on their
10 capacity.

11 They don't want to invest, they don't
12 want to put new steel in the ground or iron in the
13 ground in that kind of regulatory/market
14 environment, so I think it is absolutely key that
15 the PUC get the resource adequacy order out there,
16 establish rules that will be in place next summer
17 so we can quickly transition away from the must
18 offer environment. I believe Yakout Mansour
19 referred to as both a blessing and a curse
20 previously.

21 Clearly, must offer has been key for us
22 to have the confidence that we can commit the
23 necessary resources to maintain the system
24 reliably in the short term, but we do have
25 continuing concerns towards forward procurement

1 and long term contracting that the must offer
2 provides.

3 With that, I will conclude my comments,
4 and I'd be happy to answer any questions you might
5 have. Thank you.

6 PRESIDING MEMBER GEESMAN: Thank you,
7 Steve. I certainly welcome Yakout's arrival. I
8 do think the ISO needs to be a lot more proactive,
9 and although California regulators don't often
10 agree with him, I think Pat would in his farewell
11 interview got it right. We all deserve a D+ in
12 terms of how well we have met our infrastructure
13 needs in the four years since the crisis that we
14 have had to work on that.

15 I think one thing Yakout is going to
16 need to recognize is you get about twelve months
17 before you start becoming more a part of the
18 problem than part of the solution. He is pretty
19 early in his tenure, so he's got some time.

20 I guess the concern I have as it relates
21 to the ISO is both the persistence of unexpected
22 congestion and the seeming permanent status of the
23 RMR contracts. What priority does the ISO attach
24 to addressing either of those two problems?

25 MR. GREENLEAF: I would pause it that

1 Yakout sees the RMR issue as playing directly into
2 the proactive transmission planning. He is
3 concerned about a continued reliance on not only
4 just generation resources in particular areas and
5 the obvious market power and other issues that
6 arise from that, but also the continuing reliance
7 on older plants and kind of limping along that
8 we've done over the last several years. He truly
9 does want to be forward thinking and look at
10 congestion and just look at transmission import
11 capability into the load pockets, be there
12 significant congestion or not, he wants to examine
13 that and seriously look at alternatives.

14 The flip side of course is you don't
15 want to build transmission just for the sake of
16 building transmission without consideration of the
17 alternatives. In some circumstances, it may be
18 appropriate to site generation facilities or rely
19 on existing generation facilities. The manner in
20 which you do that and the incentives you establish
21 when doing that are very important, though. So, I
22 think some of the RA rules, the compliance, the
23 penalty rules under resource adequacy will be
24 important.

25 It is not just the capacity market

1 structure, but the incentive structure, resource
2 adequacy more broadly in place in other markets,
3 especially in the East, they have acknowledged
4 that by some of the demand curve approaches when
5 they look at pricing capacity at the cost of new
6 entry or two or three times the cost of new entry
7 as establishing an appropriate incentive, either
8 for new investment or for exploration of
9 alternatives.

10 I don't think a RMR cost plus based
11 paradigm really establishes or kind of furthers
12 that cause. I think we need to move away from
13 that. I do see them as going hand in hand.

14 PRESIDING MEMBER GEESMAN: In your more
15 proactive approach, how do you see addressing or
16 incorporating the state's preference for renewable
17 sources of new generation? Those are technologies
18 and projects where transmission access is likely
19 to be a life or death question for the successful
20 development of those resources.

21 MR. GREENLEAF: Yes, absolutely. I
22 think Edison put forth through the trunk line
23 proposal, you know, an intriguing concept I think
24 has a lot of merit, but I don't have an answer for
25 that. I think it is going to have to be done

1 proactively but collaboratively with the state.
2 Clearly, the ISO supports the loading order, but
3 there are implications from that that need to be
4 considered.

5 PRESIDING MEMBER GEESMAN: Thanks very
6 much. Bob, you are up.

7 MR. KINOSIAN: Thank you. My name is
8 Robert Kinoshian. I am here for the Office of
9 Ratepayer Advocates.

10 I'll try to keep my comments very brief
11 and just touch on a few issues. First I would
12 like to commend the Energy Commission, the ISO,
13 and the Public Utilities Commission for their
14 joint efforts which over the last couple of years,
15 which I think have gone a long way to address a
16 number of the issues raised in these questions.

17 Transmission planning is much more
18 integrated now than it has been in any time in the
19 past that I am aware of. Things aren't perfect,
20 but we are improving things, and the discussion
21 among the agencies really helps I think get
22 everybody on the same page on these issues.

23 I remember having some of the specific
24 questions that were laid out for the workshop
25 today, the expense in recent years for the IOU's,

1 the investor-owned utilities is that there is
2 really no problem obtaining financing for their
3 own new projects, of if they enter in to contracts
4 with a generation company, that contract being
5 used by the generation company to get financing
6 for their projects. It is very clear given the
7 response to the RFO's the utilities have issued in
8 the last few years, which have all be over
9 subscribed, that there is interest in building
10 generation projects and financing available.

11 None of the projects that have won RFO's
12 have ceased to go forward due to lack of financing
13 except in a couple of real extreme cases that
14 aren't worth mentioning.

15 Getting to the issue of the thousands of
16 MWs of permitted but not built plants, one of the
17 reasons is these have not been built is they
18 literally aren't needed right at this moment. If
19 those were all built right now, the IOU's would
20 have a 40 percent reserve margin.

21 DWR probably to an excessive extent
22 signed up gas generation in 2001, and all of those
23 projects or most of those projects have been built
24 giving the state a lot of new gas burning
25 projects.

1 The state has now since then tripled the
2 expenditures for energy efficiency programs and
3 implemented the renewable portfolio standard, so a
4 lot of new need is being met by those two
5 resources rather than adding new gas generation at
6 this time, plus we see a lot of excess generation
7 being built in Arizona which will likely be tapped
8 by the California market.

9 There are a lot of reasons why that
10 8,000 MW's hasn't proceeded at this point. Given
11 that, though, there are probably a couple of
12 specific issues that should be looked at in terms
13 of getting some of that built to the extent it is
14 economic.

15 One is having a resource adequacy
16 requirement placed on the non-utilities, the non-
17 IOU's for their needs also. The PUC has indicated
18 that it is going to do that, but we know that
19 there are legal concerns with whether or not they
20 actually can impose that. While the direct access
21 providers Sempra, Constellation are credit worthy
22 companies can enter into long term contracts or
23 build their own generation, they haven't done much
24 of that at this point, and they should be required
25 just like the IOU's to firm up their resources.

1 In addition, there is the specific issue
2 about the old plants whether they should be
3 retired or repowered. That is something that the
4 Energy Commission and the PUC and the ISO should
5 all focus on dealing with that issue and make the
6 decisions, which of these should be repowered,
7 which should be retired, and move on. The
8 continuing uncertainty is a problem, and it is
9 simply an issue that needs to be addressed rather
10 than continually put off.

11 Moving on to a couple of the other
12 areas, out of state coal has some potential for
13 this state, but given global warming concerns and
14 the availability of in-state resources, primarily
15 renewable resources that we will be adding over
16 the next few years, there does not appear to be a
17 lot of room for a lot of new coal resources, at
18 least in the next few years to enter into the
19 California mix.

20 Definitely, there should be a policy
21 that out of state coal resources must meet the
22 same sort of environmental criteria, at least in
23 terms of greenhouse gas emissions, that we would
24 apply to in-state resources. That is a global
25 concern, it doesn't recognize state boundaries or

1 local boundaries.

2 Regarding transmission, as I mentioned
3 before, I think the state has moved a long way to
4 improving our transmission planning process. We
5 see the need to get out ahead of the game and
6 start planning for transmission resources well in
7 advance of when they are needed because of the
8 length of time it takes for the planning process.

9 I would note that for the most part,
10 transmission lines, though, the long time needed
11 is for the planning process before it comes to the
12 PUC for siting and building. Typically the PUC
13 proceeding only takes a year, construction usually
14 commences a pace. The Path 15 line got built
15 ahead of schedule.

16 It is really making sure that we get the
17 initial planning done early like we are trying to
18 do now with renewable resources and looking in San
19 Diego's area to get more access to geo thermal
20 plants and the Antelope project for addressing
21 wind, we need to do that. Not at the point where
22 we need these resources, but years ahead of time
23 on the planning.

24 Finally, one other thing since I do
25 represent consumer interests, one thing that

1 should definitely be on the forefront of
2 everybody's mind is the cost of all of this.
3 Rates are a real crisis right now. They are
4 incredibly high, it is a huge problem.

5 If you had said ten years ago
6 residential customers were going to be paying 25
7 cents a KWh, I think that most people would have
8 thought that we already had time of use or real
9 time pricing rates in place, but that is the
10 standard rate for Tier 4 customers, which is
11 pretty much all the customers who use air
12 conditioning.

13 We need to look at getting cost down,
14 not just at improving the infrastructure and the
15 reliability. One thing that the state should
16 consider along that lines is something that was
17 used recently in the PG & E bankruptcy case and
18 was used a few years ago as part of restructuring
19 is dedicated rate component financing where we can
20 get five or six percent carrying charge on new
21 capital investments versus the 20 percent cost of
22 utility rate base or similar costs that are built
23 into contracts with third parties. That would be
24 one way to greatly reduce the cost to ratepayers
25 of added infrastructure.

1 That will conclude my comments.

2 PRESIDING MEMBER GEESMAN: How does ORA
3 address the fuel component of our electricity
4 supply system, which seems to be an increasingly
5 large element on customers bills? You seem to
6 focus on our regulatory process and seems to focus
7 largely on capital expenditures, applications for
8 CPCN's, return on capital investment, and fuel
9 costs seem to just be a pass through. They keep
10 going up, you know, in our 2003 cycle, we forecast
11 gas prices in the low to mid \$3.00 range for the
12 entire forecast period. It looks like we are off
13 by about 100 percent. The discovery that we were
14 off by that much, and everybody else was, we
15 weren't' alone, but the discovery that we were
16 that far off doesn't seem to have prompted any
17 kind of searching review of maybe we are headed in
18 the wrong direction. How does ORA look at our
19 natural gas dependency?

20 MR. KINOSIAN: As I mentioned earlier, I
21 think there is a considerable concern that the
22 resources that have been added in the last five
23 years largely in response to the DWR contracts are
24 almost entirely gas fueled, and ORA is very
25 supportive of the RPS standard, and we are hoping

1 that the Commission will aggressively implement
2 that. In fact, I have raised concerns to the
3 Commission about how much they have been dragging
4 their feet on getting the renewables built and
5 they need to aggressively pursue that.

6 As I did mention before, one action that
7 the PUC has taken with the support of ORA has been
8 literally tripling the budget. We are now
9 spending almost half billion dollars a year on
10 energy efficiency programs versus just roughly 100
11 million dollars a few years ago.

12 This is in direct response to both
13 electricity prices but also high natural gas
14 prices. We are also very supportive of the
15 recently announced efforts to reduce greenhouse
16 gas emissions which we think will further push or
17 reduce the reliance on natural gas as a resource.

18 So, we think there are a lot of things
19 under way and in the mix to reduce that and ORA
20 definitely recognizes the impact high gas costs
21 have on customers. We are also greatly increasing
22 our spending on energy efficiency for gas
23 customers and reducing gas use, not just electric
24 use.

25 Our natural gas rates are tied to

1 basically a monthly short term cost of gas, so
2 customers see that directly and respond
3 accordingly. A number of efforts are under way.
4 Could more be done? Sure, but things are being
5 done. It is not an issue that is lost on anybody.

6 PRESIDING MEMBER GEESMAN: Thank you.
7 I think it is time for any audience questions or
8 comments to this first panel. People are
9 shuffling in their chairs, but I don't see anybody
10 jumping up to the microphone. It is a rare and
11 endangered species the microphone.

12 MR. SCHLEIMER: Commissioner
13 Pfannenstiel, Commissioner Geesman, Commissioner
14 Boyd, I just have a couple of comments. My name
15 is Steve Schleimer, and I am Vice President of
16 Regulatory Affairs for Calpine.

17 One of the questions was about the 8,000
18 or 8,500 MWs and how we get that built. It seems
19 to me that the answer to that is pretty simple,
20 and that is to get more RFP's out the door.

21 I don't think it is going to take
22 anything more than that. Right now generators are
23 not going to build for the merchant market. Ten
24 years is probably appropriate, ten year contracts,
25 but depending on the circumstances, five year

1 contracts, seven year contracts may be adequate as
2 well.

3 One of the questions, though, I think we
4 need to answer is, and it was referred to earlier,
5 is the question of direct access and community
6 choice aggregation and how we deal with the
7 capacity associated with those.

8 Currently it sounds like direct access
9 is about 15 percent of load, community choice
10 aggregation is starting to move forward. My
11 understanding is, although I don't know the
12 details because I wasn't able to see the actual
13 data, was that in the utilities resource plans,
14 there are thousands of MWs that are missing from
15 what they are planning for.

16 Basically what they have done is they
17 forecasted their load over a certain period of
18 time and they have subtracted out from that
19 assumptions about current and future direct access
20 as well as community choice aggregation.

21 My guess is that could be 5,000 to 7,000
22 to 9,000 MWs over the next ten years, and that is
23 an amount of MWs that nobody is planning for right
24 now. I think that is a key question that we need
25 to think about answering is how are we going to

1 get the capacity built for those resources because
2 I think right now most folks would agree we are
3 right on the edge or we are a little bit short.

4 As loads start growing and the utilities
5 are acquiring for only a portion of the loads in
6 their service territory, we are going to always be
7 behind for the next ten years. It seems like we
8 are never going to get caught up. I think we need
9 to identify how much is that load that no one is
10 planning for, and how do we get the resources
11 built for those.

12 One way, Turin has suggested during an
13 interim period that either the utilities or the
14 ISO be a backstop provider of capacity. You know,
15 there are other ways that you can do it, you can
16 have the resource adequacy mechanism go for five
17 years instead of one year. The resource adequacy
18 in the capacity markets is a good step, but having
19 it be a one year ahead product or market, is not
20 going to get capacity built for these resources.

21 The only way you are going to get
22 capacity built for these resources is to have a
23 multi-year either resource adequacy or capacity
24 market.

25 PRESIDING MEMBER GEESMAN: Steve, are

1 you guys responding to all of the RFO's. I was at
2 something in Silicon Valley a month or two ago
3 where Pete Cartwright had indicated concerns about
4 the way some of the RFO's were structured hoping
5 to incent new construction having the perverse
6 affect of borrowing some of your projects that
7 don't have contracts from participating.

8 MR. SCHLEIMER: Both Edison and PG & E
9 have ten year RFO's out. Those ten year RFO's
10 preclude existing resources or resources actually
11 in constructing from participating. We did not
12 bid into those with our existing resources, but we
13 have bid into both those RFO's with new generation
14 that we have permitted.

15 In fact, we have four, five, or six
16 combined cycle plants that are fully permitted
17 pretty much ready to go awaiting contracts, and we
18 have bid those in.

19 Edison just came out with their five
20 year RFO, and we would expect to be participating
21 in that one as well.

22 PRESIDING MEMBER GEESMAN: The Metcalf
23 plant for example, you are selling that into the
24 market currently?

25 MR. SCHLEIMER: Yeah, we are selling

1 that into the market. We currently don't have a
2 capacity contract for that facility.

3 PRESIDING MEMBER GEESMAN: Thank you.
4 Other comments or questions from the audience?
5 Greg. Bad choreography? Okay, then we should
6 probably go on to the next panel.

7 MR. GALLOWAY: I am responding to what
8 they are saying. I can talk now or I can talk
9 later.

10 PRESIDING MEMBER GEESMAN: I think Karen
11 who is the MC says later.

12 MR. GALLOWAY: Later is fine. I don't
13 want to miss my opportunity.

14 PRESIDING MEMBER: I assure you that you
15 want.

16 MS. GRIFFIN: Thanks to our first panel,
17 and can we bring up the second panel. I know that
18 two of the folks are here, Kevin Woodruff and
19 Jerry Jordan. I am hoping that Jan and John are
20 here as well, so please come on up. Can we just
21 go in the order you are on the agenda starting
22 with John Galloway from UCS.

23 MR. GALLOWAY: Thank you for the
24 invitation to be here, Commissioners and staff.
25 It was interesting I was watching a program last

1 night on California's Gold Rush back in the mid
2 1800's, something that not being a native
3 Californian I wasn't all too familiar with, but
4 something struck me about half way through when
5 they started exhibiting the environmental damage
6 that was done during the Gold Rush and trying to
7 get at the minerals under our soil, and I began to
8 look at how that might be a parallel between the
9 prospectors of about a century and a half ago and
10 prospectors that are now spying the promise of a
11 new resource in California which is home for their
12 coal fired electricity.

13 This post modern gold rush for energy
14 also comes with an environmental price in terms of
15 air and water pollution. Then I ask the question
16 do we want California to lead the west in becoming
17 the new frontier for global warming. The governor
18 certainly doesn't think so nor do I, but the
19 allure of clean coal, a term that has recently
20 entered our common vocabulary here in the energy
21 arena, kind of like terms like resource adequacy
22 and capacity markets, but has yet to be
23 satisfactorily defined, raises an issue that
24 appears in today's agenda, the affordability of
25 supply. That is just one of many issues that it

1 actually touches upon.

2 There is a very valid concern throughout
3 the US and especially in California about rising
4 energy costs. We have to balance that concern
5 against the long run costs of doing business as
6 usual and increasing our reliance on imported
7 fuels.

8 I will put new coal development into
9 that last category as we are seeing an
10 unprecedented number of new coal plants being
11 proposed throughout the West, which are being
12 touted as low cost reliable domestic resources.

13 So, I would question the low cost aspect
14 of that picture because the projected cost of new
15 coal ignore the long run impacts of global warming
16 emissions associated with the operation of those
17 plants.

18 Leaving those impacts aside for the
19 moment, I would like to pick apart a question
20 posed on the agenda regarding the technology risk
21 incurred by the state if "the best available
22 technology is required", and so I was a bit
23 confused by that term because it is traditionally
24 reserved for pollution control devices that don't
25 necessarily address carbon emissions. So, I will

1 assume that term refers to technology such as IGCC
2 and carbon sequestration methods.

3 I would like to turn that question
4 around somewhat and ask what is the risk to the
5 state of not requiring the best practices for
6 abating carbon emissions from new coal plants.
7 Indeed, the Public Utilities Commission has
8 already identified and quantified the financial
9 risks to utilities and rate payers of carbon
10 emissions by adopting a carbon adder in its
11 December procurement decision and later setting
12 that price at a levelized value of \$8.00 per ton.

13 I would like to broadly outline what I
14 think we need to be thinking about when we talk
15 about clean coal. First because of the fuel cycle
16 impacts and the range of environmental risks,
17 energy efficiency should always remain the top
18 resource priority as particularly called out in
19 the state's loading order, followed by renewable
20 energy, and finally fossil technologies with the
21 best available technologies.

22 To the extent that coal is utilized,
23 the best available technology should be used and
24 long term carbon risk should explicitly be
25 considered and allocated. I would like to

1 emphasize Mr. Kinosian's earlier point about
2 counting coal's emissions both the same, out of
3 state coal emissions the same as we would count
4 any resources within the state. Indeed,
5 greenhouse gases don't necessarily respect state
6 borders.

7 I would add to that we have not
8 performed as an organization. UCS has not
9 performed a detailed coal technology analysis. We
10 are in process of doing that, but it generally
11 appears to us that IGCC or Integrated Gasification
12 Combined Cycle with some form of carbon capture
13 and storage is the best available technology for
14 coal.

15 While there are varying views among
16 environmental groups regarding coal and what
17 requirements should be made for the best available
18 technology, one position clearly emerges. The
19 conventional coal technology in California's
20 resource portfolio is unacceptable.

21 In addition to the carbon emissions, the
22 IGCC and equivalent technologies, whatever those
23 may be or whatever technologies emerge, are needed
24 to address all criteria pollutants including SOx
25 NOx and mercury with mercury being especially

1 important. Again, it sort of harkens back to the
2 Gold Rush days where mercury was a significant
3 pollutant in the process of extracting gold.

4 I would caution against the use of
5 offsets at this time. In other words, if somehow
6 we could abate carbon emissions through other
7 means like planting trees and continue to build
8 the coal plants until we have a well defined
9 national cap and trade program.

10 I know we are going to touch on that
11 topic more in our workshop in mid August which I
12 appreciate you all scheduling that discussion in
13 the IEPR process.

14 Moving on to other topics, earlier,
15 Commissioner Geesman, you mentioned the Tehachapi
16 line and there was a bit of discussion about the
17 trunk line proposal and the potential problems
18 with that. I guess I am a bit concerned that the
19 PUC seems to be relying on getting FERC approval
20 for that line, and there doesn't seem to be a back
21 stop plan for addressing what happens if FERC
22 either rules against that line or if it rules in
23 favor of that line and it then goes to court and
24 becomes challenged.

25 PRESIDING MEMBER GEESMAN: We are at the

1 back stop, FERC disapproved it.

2 MR. GALLOWAY: So, we are at that stage.

3 I'm intrigued by the idea of looking at resource
4 clusters, and again, Commissioner Geesman, you
5 brought up the point or the question to the PUC
6 about application specific transmission
7 facilities, and I would ask why we aren't looking
8 more diligently at this stage at specific resource
9 clusters along the trunk line concept and
10 identifying where those resource clusters are. I
11 have yet to see all the agencies, namely the PUC,
12 CEC, and the ISO sit down and specifically tackle
13 an analysis of those resource clusters. I am
14 pleased to see the recent joint agency efforts
15 such as the kick off of the Energy Action Plan 2
16 discussions that we have had around demand
17 forecast in this state. So, I am hoping we can
18 continue that joint agency effort around
19 transmission specifically to access renewable
20 resources and get to our EAP goals.

21 Another point that is on today's agenda
22 that I was a bit confused about is the
23 categorization of issues into generation resources
24 and transmission, so I would encourage that in
25 discussion supply-side resources that we don't

1 forget demand-side resources and the need for
2 utilities to consider those resources as an
3 integral part of their procurement.

4 Energy efficiency technologies can be
5 the deployed quickly, provide significant
6 environmental benefits compared to drilling,
7 transporting, and burning natural gas. I would
8 say the same goes for coal as well.

9 It can begin to reduce demand for
10 natural gas the moment they are put into service.
11 Those same benefits are delivered by renewable
12 energy resources on the supply side.

13 The final point I want to make is that
14 we should establish statewide goals for efficiency
15 in renewables. A substantial amount of attention
16 has been placed in recent years on the investor-
17 owned utilities and establishing energy efficiency
18 and renewable targets for those entities, and we
19 need to keep our friends at the municipal
20 utilities in check with respect to these
21 resources.

22 With that, I would like to thank you for
23 the opportunity this morning to speak.

24 PRESIDING MEMBER GEESMAN: Thank you for
25 being here, and I admire what you are doing. I

1 will say, and I don't begrudge anybody
2 occupational mobility, but the RPS program has
3 greatly suffered since you left the PUC, and I
4 think that you and USC and the other I guess they
5 call them non-market participants in PUC
6 vernacular, you ought to expect more of us. I
7 know a lot of you are imbued with how great it is
8 to see the agencies working together and talking
9 with each other and pretending to be friends, you
10 ought to have I think a much more cold hearted
11 assessment of what products is that process
12 actually producing. What are the tangible
13 results, and do they in fact meet the objectives,
14 the legislation, and our various policy
15 pronouncements laid out for us.

16 It was a long time ago, and in fact,
17 Jerry Jordan was a young man, but I was an
18 opponent of utility power plants once upon a time.
19 I will say it is a lot easier to be against
20 something than it is to be for it, and I think
21 your real leverage over time in achieving that the
22 end results that I think UCS wants to achieve is
23 more likely to come from your ability to
24 successfully get us to do things like the
25 initiatives in energy efficiency and like the

1 renewable portfolio standard.

2 I would encourage you to take a pretty
3 harsh view of progress today. We need to do a lot
4 more, and hopefully in the months ahead, we will
5 do a lot more, but we very much need your pressure
6 to accomplish that.

7 MR. GALLOWAY: That is appreciated, and
8 I appreciate the earlier compliment, and I am out
9 actively recruiting.

10 PRESIDING MEMBER GEESMAN: Kevin, do you
11 want to go next, or actually, we are going in the
12 sequence here. Jerry.

13 MR. JORDAN: First of all, I have to
14 admit that I haven't actually read every single
15 word that you've written as part of this year's
16 Integrated Energy Policy Report, but it appears to
17 me that you may be missing the biggest of the big
18 questions.

19 That is whether or not the current
20 market structure which we have either forced on
21 ourselves or inherited from a set of bad
22 circumstances actually supports the kinds of
23 things that you are asking about in this document.

24 With that, I mean, it may in fact be and
25 probably is our belief that the market structure

1 that is set up a) doesn't work, and b) certainly
2 doesn't incentivize either the building of
3 transmission or power plants in this state.

4 We think it would be good for the Energy
5 Commission to do a critical analysis of whether or
6 not that structure, and with that I would include
7 the entire concept of the independent system
8 operator and how it functions and the assumptions
9 that go into that.

10 For instance, a lot of the things that I
11 heard today, including renewables, seems to me
12 would work better in an environment with physical
13 transmission rights rather than derivative
14 financial transmission rights. As you may know,
15 local agencies haven't been very fond of
16 derivatives since Orange County had a problem.
17 So, there are some basic structures there.

18 We have a system, the Energy Commission
19 I think in the last policy report and the Public
20 Utilities Commission have both endorsed a return
21 to direct access, yet we don't know that is going
22 to occur. We don't know what the status, in fact,
23 is. The way the current law reads, I believe once
24 the DWR contracts are paid off, direct access may
25 come back.

1 Yet, the PUC has proposed that be
2 implemented with an exit fee that may mean that
3 nobody has direct access. Our market structure
4 that we have in place now was primarily designed
5 to serve a market structure that involved
6 disaggregated utilities which we sort of have and
7 sort of don't have anymore.

8 It was not specifically even attempted
9 to serve the interests of utilities who chose to
10 remain vertically integrated. Yet most of the
11 utilities in the western United States, in fact,
12 have remained vertically integrated.

13 A lot of the reliability issues that you
14 questioned, for instance, are really regional
15 reliability issues better suited to resolution by
16 the WECC than either the Energy Commission, the
17 PUC, or even the ISO.

18 We think you've missed the biggest of
19 the big issues, and I would be happy to talk about
20 some of those later on.

21 PRESIDING MEMBER GEESMAN: We don't get
22 a clean sheet of paper, though, you have to play
23 the cards that you are dealt. We are not going to
24 be able to redesign a market as various idealogues
25 would like to have it.

1 MR. JORDAN: Certainly, but we are
2 idealogues on one side and Mr. Blue is probably
3 ideologue on the other side, but your function in
4 preparing this report reporting back to the
5 legislature would seem to me to be to critically
6 assess whether or not that structure is actually
7 working to the benefit of California consumers.

8 I realize that it would still take
9 legislation to make any changes, but we ought to
10 at least know whether or not it is achieving
11 whatever goals are still out there. I'm not sure
12 we even know what the goals of the organization
13 are.

14 PRESIDING MEMBER GEESMAN: Thank you.
15 Okay, Jan.

16 MS. HAMRIN: Okay, thank you very much
17 for inviting me. I also have not read all of the
18 pages of material and reports that you've put out,
19 and we have not been intervenors in any of these
20 cases, so I am speaking more as an observer from
21 the sideline and working on ancillary issues.

22 To me, the top issue and one of the
23 questions is what are the top electricity issues.
24 I think it is how to achieve greenhouse gas
25 reductions while keeping the lights on and keeping

1 rates affordable. One of the big barriers I
2 believe is not a policy barrier or problem, it is
3 more mindset.

4 I think that maybe our decades and
5 decades of working in adversarial proceedings has
6 ingrained in everybody of them and us kind of
7 approach whether it is the CEC versus PUC or IOU's
8 versus consumer groups or renewables versus fossil
9 or whatever.

10 I think in this particular case and at
11 these times, we should not be looking at it as a
12 zero sum gain, but rather something that either we
13 are all going to win or we all going to lose.
14 There's tons of big issues in the world that most
15 of us can have no effect on whatsoever. We can be
16 concerned about them, we can send checks off on
17 occasion to various charities to work on certain
18 things, but that is about the most we can do, and
19 we can cringe when we read the morning papers or
20 hear the news.

21 Climate change and the issues that are
22 facing us today are something that every person in
23 this room and everyone listening can have a role
24 in fixing if we have the will to do it. Instead
25 what we tend to do I think is look at all of these

1 things in pieces, not integrated.

2 We still have a tendency to have
3 renewables and efficiency treated as oh by the
4 way, there's also the renewable efficiency piece.
5 I think it is important that instead of having
6 people come with all the excuses of why they can't
7 do these things, we need to focus on as I think
8 you were trying to do in this workshop what are
9 the solutions. You can't bring me a problem if
10 you don't bring me a solution.

11 The long term and the short term are
12 constantly in battle with each other, and so there
13 is a tendency for us to make all kinds of
14 exceptions for short term expediency, that means
15 we never get to the long term solutions.

16 I think the loading order is great, I
17 think you have it right, efficiency renewables
18 than cleaner fossil resources and others, but if
19 you are going to start the whole loading order
20 implementation by having exceptions to it and
21 therefore, the first thing we are going to do is
22 put into place some fossil plants that we just
23 have to have in the short term, and then we have
24 to do some other plants, fossil plants, that are
25 already signed up to be constructed, we never get

1 to that loading order, a first efficiency, and
2 then renewables.

3 If we have a policy, then you need to
4 stick with it, and you need to apply it uniformly.
5 I think, again, one of the problems with RPS and
6 with the general approach we have is that it
7 starts to be viewed as this is a ceiling. It is
8 not a floor, it is a ceiling, and there is a
9 tendency for people to say we are not going to do
10 one MWh more than we have to or than you force us
11 to do.

12 In fact, I think everyone in this room
13 if they really wanted to achieve these goals could
14 think of some ways that we could do it that would
15 be beneficial to the companies whether they are
16 municipal utilities, investor-owned utilities,
17 generators, or non-residential customers.

18 There are ways of doing this, and there
19 are ways of going beyond the targets that we have
20 in front of us if you think positively and
21 collectively in a can-do way. That is the way
22 that this state used to think or we tried to
23 approach things. I think John alluded to a couple
24 of these concerns when he spoke, there are
25 positive ways of doing it, and we can be a model.

1 I think that voluntary markets are
2 another area. Green pricing is an opportunity for
3 all of the IOU's that we haven't looked at that
4 can allow them to go beyond what's required. I
5 think there is opportunities to build plants and
6 then incrementally add capacity to serve some
7 other needs such as building plants through the
8 procurement process for the RPS and then adding a
9 little bit of extra capacity on to those to serve
10 green pricing markets, to serve CCA's Community
11 Choice Aggregation markets as they develop, to
12 serve non-residential voluntary markets where
13 we've got amazing response from many many
14 corporations, industries, and institutions in the
15 state and around the United States who are
16 voluntarily looking at purchasing more renewables.

17 Common wisdom a decade or less ago was
18 that nobody will pay one cent more than they have
19 to for electricity, but we are actually seeing
20 that there are customers who are willing to pay a
21 little bit more and who think is an important
22 task.

23 To the extent that our utilities and
24 others can't offer those services, I think they
25 will benefit financially and the state will

1 benefit in a substantial way both environmentally
2 and economically.

3 The municipal utilities have done some
4 excellent work in a number of areas. They have
5 had some very innovative distributed generation
6 programs for photovoltaics, they've had some
7 interesting green pricing programs. There are
8 some number of ways that we could learn from some
9 of the good things the municipal utilities have
10 done and apply those to investor-owned utilities
11 and vice versa, but we again we have a them versus
12 us kind of thing that separates the two off, and
13 that often prevents us from learning from each
14 other and applying some best practices in the
15 other areas.

16 I think that the challenge, the real
17 challenge is the transition strategies in how to
18 meet our long term goals and long term investments
19 and long term objectives and do that with the
20 short term in mind. I know that is difficult, but
21 I have no doubt that everybody in this room again
22 or listening could come up with some good ways of
23 resolving it if they looked at the challenges, a
24 positive thing that they wanted to accomplish
25 rather than a negative thing they have been told

1 to do and therefore going to find all kinds of
2 excuses for not doing it.

3 Thank you very much.

4 PRESIDING MEMBER GEESMAN: Thank you,
5 Jan. You have done quite a bit of work with the
6 Chinese government in energy. Could you describe
7 what role you played there and what projects you
8 may be working on?

9 MS. HAMRIN: I've been working in China
10 for five and half years, primarily on renewable
11 energy policy and energy efficiency policy, and
12 the last two years worked with them in the
13 development and passage of a renewable energy law,
14 national renewable energy law, and are now working
15 with them on the implementation of that law.

16 One of the things that I've really
17 learned in China, I've had a number of people I've
18 taken over with me who have sat in the National
19 People's Congress or in meetings such as this held
20 by federal agencies, and afterwards have said my
21 god, the Chinese are going to take over the world.
22 They very well might.

23 I don't know if in my lifetime, but
24 certainly in the lifetime of a lot people in this
25 room, to the extent they do, it is because they

1 have this can do attitude. They do not sit and
2 whine about necessarily we can't do this. Instead
3 they say how can we do it, tell us how we can do
4 it better. They look for solutions and they put
5 them into place. We may not always agree with all
6 of the actions they take, but they are action
7 oriented. It is part of the culture, but it
8 certainly been part of the culture in this state
9 and in the West in the past, and I think it is one
10 that we could all bring back into play and would
11 help a lot.

12 PRESIDING MEMBER GEESMAN: To an
13 outsider, they appear to be aggressively pursuing
14 all sources of energy. Can you cast any light as
15 to how they prioritize between efficiency and
16 renewables and coal and nuclear and oil?

17 MS. HAMRIN: I don't think they've got
18 that down yet too well. They have huge growth,
19 economic growth and growth in the electricity
20 industry, and somewhere around 12 percent a year.

21 They are having a hard time keeping the
22 lights on and keeping up with demand. They have a
23 society that is just starting to use refrigerators
24 and air conditioners and all of these electrical
25 appliances. In looking at that, they started with

1 efficiency standards, and many times efficiency
2 standards that are not stricter than we have here
3 because they recognize that if everyone starts
4 buying, everyone who can afford it, and there are
5 a lot of those in China, starts buying
6 refrigerators and air conditioners, and all of
7 these appliances, they really won't be able to
8 meet their energy needs.

9 They have also done a similar thing in
10 transportation, and they have cafe standards for
11 vehicles that are much stricter than we have in
12 the United States, so they have done a good job in
13 setting those.

14 Enforcement is something they have a lot
15 of work to do, and how you can enforce these
16 things, they haven't always had a lot of options
17 between ignored entirely or take somebody out and
18 shoot them, and though the last has its attraction
19 on occasion, I think they are just now looking at
20 civil law and ways of doing enforcement a little
21 bit better.

22 They have also closed a bunch of coal
23 plants that ignored environmental standards and
24 went forward anyway, and that was definitely a
25 signal from central Chinese government that they

1 were taking the environment seriously.

2 The bottom line is they see real costs.
3 They have seen a loss in agriculture production of
4 over 30 percent. That is a real loss for the
5 country. They have seen increases in medical
6 costs especially due to respiratory infections and
7 so forth of a significant amount.

8 They are seeing those not just as
9 altruistic or idealistic goals, but as real costs
10 to their economy that they have to address, and
11 they have to do something to get this under
12 control sooner rather than later.

13 PRESIDING MEMBER GEESMAN: Thank you
14 very much. Kevin, you are up.

15 MR. WOODRUFF: I appreciate the chance
16 to address this Commission on some rather critical
17 electricity policy issues that face this state. I
18 think a lot of us could go on for a long time
19 about the details of the 14 questions that were
20 posted on the website for this meeting. I am
21 going to confine my remarks to the first three
22 questions on generation resources in particular,
23 and then touch a little bit on the first three
24 questions under transmission.

25 On the first question under generation

1 about how to incent new construction to paraphrase
2 it, you've already heard a lot of what I'm going
3 to say, but I am going to say it again anyway with
4 my own accents and spin on it, and I agree fully
5 with some other prior speakers of the key
6 impediment to getting new projects built in
7 California in the current market environment is
8 the lack of long term contracts, and before I go
9 further, when I say long-term contract, it could
10 mean a contract with an IPP for the output of a
11 plant that would allow the IPP to go finance the
12 plant or utility owned resource under the
13 traditional regulatory compact where the utility
14 would have good confidence it would recover its
15 costs of building and operating the plant.

16 I'm including both of those options
17 under the term "long-term contract". Mr. Hendry
18 mentioned the irrational exuberance of the late
19 1990's, it is a line I've used myself about that
20 time. In that era, of course, there were a lot of
21 players, some are now gone, some don't have credit
22 worthy ratings any more, but there are a lot of
23 industry players that took on merchant risk and
24 allowed projects to be financed and built.

25 That is not happening now, and it may

1 happen again, but it is not something we can count
2 on to happen if we want to have a regular
3 construction cycle in this state of new resources
4 to meet loads that I would anticipate to keep
5 growing.

6 What you need to do in a down economy
7 like ours that has happened and will continue to
8 happen to occur is long term contracts. The
9 problem right now is that load serving entities
10 are generally unwilling to make those long-term
11 contracts because they don't know if they can
12 recover the costs they are going to commit
13 themselves to.

14 This is true for the IOU's that don't
15 know about their load, to what their load is going
16 to be, and it is true for the other LSE's that
17 also have substantial uncertainty about their own
18 loads.

19 We suggest in general policies as has
20 been said before, the policies that will provide
21 LSE's some certainty about what their loads are
22 going to be over the long term and also require
23 them to make some long term commitments under a
24 resource adequacy policy are necessary to get new
25 projects built.

1 Now what won't be sufficient is the
2 current one year or less type of commitments the
3 LSE's are going to make under the RAR policy to be
4 adopted later this year by the Public Utilities
5 Commission, a one year look ahead is not going to
6 be enough to get something built. Any new sort of
7 capacity market that has a similarly short
8 horizon, whether it is seasonal or annual, is
9 going to have only a marginal impact as well.

10 I will also add that regulatory
11 certainty has been touted as a good thing, and it
12 is, but that in and of itself is not going to be
13 sufficient either. What are needed are long term
14 contracts.

15 Now, this may sound like a gloomy
16 message, but you know the glass is half full at
17 least. The IOU's, the state's three major IOU's
18 between them have committed to fund development of
19 some new generation. PG & E and Edison both have
20 long-term RFO's on the street right now that their
21 management has said have been pretty well
22 subscribed, and there may be some I think winners
23 announced on both of those processes later this
24 year, so things are happening.

25 It is not that we are at a complete

1 standstill right now. We don't want to give that
2 impression to the world or make decisions based on
3 that impression, but until we know that
4 representatives of all loads are actually making
5 new investments, we can't say that within the
6 aggregate we are going to have a reliable system.

7 The second question that was asked had
8 to do with whether the 15 to 17 percent reserve
9 margin is adequate. I would suggest in general
10 that it is. It is a very simple answer. I think
11 Mr. Hendry again gave a fairly good concise
12 recitation of how that came about. I think a 15
13 to 17 percent reserve margin over an average or a
14 one and two load is perfectly adequate for
15 aggregate system wide reliability.

16 When you are looking at local regions,
17 you might want to move to a higher load forecast
18 like a one in five or one in ten, but when you are
19 doing that, you don't want to apply the same
20 percent reserve margin on top of that. Instead,
21 what is done is on top of that higher load
22 forecast, you layer a reasonable number of MW
23 contingencies to come up with some MW resource
24 target that provides reliable service within that
25 load pocket.

1 Before the generators get too excited at
2 that prospect, it is quite possible for that
3 analysis to come up with a planning reserve margin
4 in effect that is less than 15 percent. It could
5 be more, it could be less. This local area
6 reliability planning is a somewhat different
7 animal because you don't have the loss of load
8 probability, the math breaks down when you have
9 smaller systems.

10 The methodologies that are used to
11 assess local reliability don't always give you
12 numbers that are higher than 15 percent. That is
13 something that needs to be kept in mind moving
14 forward.

15 I spoke to this Commission, at least
16 Commission Pfannenstiel and Geesman were here in
17 March when I mentioned I really didn't care for
18 the kind of resource analysis that is being
19 presented to the Energy Action Plan Committee. I
20 don't think that is an appropriate long-term
21 planning tool because you cannot meet the criteria
22 that are apparently there using a 15 to 17 percent
23 reserve margin. We are never going to get there
24 under resource adequacy policy, but I think you
25 raised a very important point, Commissioner

1 Geesman, in talking to Mr. Hendry or it might have
2 been Mr. Flynn, on the one hand I am not that
3 worried about SP 15 loads and resources this
4 summer in the aggregate. I think if we are going
5 to have problems in the SP 15, it is going to be
6 because of intra zonal transmission issues, and I
7 think there is evidence that was in the public
8 domain last year that pointed to that possibility,
9 but I didn't really see those issues being
10 developed very well and solutions being proposed
11 for particular pockets within SP 15.

12 It is critical to look at those kinds of
13 issues and separate from the aggregate because you
14 can buy a resource in SP 15 that will do you
15 absolutely nothing for reliability in the region
16 if the problem is going to be intra zonal
17 transmission constraints. You need a more focused
18 analysis looking at transmission fixes or maybe
19 the acquisition of some very specific resources
20 and very specific load pockets.

21 That is what is needed, and I didn't see
22 that happen last year despite I think ample
23 evidence in the public record that the problem
24 really was -- the problems last year and I think
25 most likely this year were local transmission

1 related.

2 We also believe that the 15 to 17
3 percent reserve margin is economically sustainable
4 as the question is asked because it is in line
5 with historic industry practice. People are used
6 to paying for that much reliability and receiving
7 that much reliability.

8 When you say economically sustainable,
9 do you mean if that can be supported necessarily
10 by market prices without some sort of resource
11 adequacy requirement, I wouldn't count on that
12 necessarily. Even with a new capacity market or
13 with uncapped energy prices, it is not necessarily
14 the case that planning reserves of 15 to 17
15 percent would be supported by market revenues.
16 That is a fairly major assumption.

17 There can be a fairly big disjunction
18 between the financial incentives the LSE's face
19 and the physical assets needed to maintain a 15 to
20 17 percent reserve margin. I think the state has
21 addressed that appropriately by focusing on a
22 physical resource adequacy requirement and making
23 the LSE's go out and make sure they have the
24 capacity to meet that requirement lined up.

25 I want to focus briefly on one topic in

1 the third question which has to do with capacity
2 markets. I've already said that if you are just
3 looking at short term incentives, their impact
4 will be marginal at most. I think in general it
5 is utterly impossible to say what kind of impact
6 they would have until you actually implement them.
7 Whether you find god or the devil in the details
8 is going to be rather critical.

9 Capacity markets could well help load
10 serving entities that are long and short of their
11 resource adequacy targets. It helps them manage
12 what you call the quantity risk, and they should
13 provide some extra revenues for some of the
14 marginal generation that doesn't run much to be
15 around.

16 What concerns me the most about capacity
17 markets at this point is that people view them as
18 some sort of cavalry that is going to come and
19 save us. They are not, they are just another tool
20 that might have a place in a long term resource
21 adequacy policy. Again, if it is just a short
22 term capacity market, you can't count on that to
23 provide incentives for long term construction or
24 more than marginally so.

25 In particular, capacity markets do not

1 protect load serving entities and their customers
2 from price risks. In other words, if you pay a
3 price for capacity product today, you have no idea
4 a year of now whether the value of that investment
5 is going to be higher or lower.

6 I raise this issue in particular from
7 something that is close to TURN's heart of course
8 which is stranded costs for new IOU investments.
9 There is absolutely no guarantee the capacity
10 markets will eliminate or even greatly reduce the
11 stranded costs risk that bundle that ratepayers
12 face.

13 I think those are important caveats to
14 keep in mind as the state moves forward with
15 developing capacity markets.

16 Finally, I just have a few words on
17 transmission. Again, much of this has been said,
18 but I will say it again to add TURN's voice to
19 this, to the wood pile. The questions one and
20 three ask implicitly if new transmission is likely
21 to be profitable or needed or cost effective or
22 needed, and the answer is TURN is certainly open
23 to that possibility. In fact, in many cases it is
24 probably a likelihood, but each proposed deal
25 needs to be evaluated on its own, especially the

1 large projects that are driven by economics.

2 Then another aspect of question three
3 asks about how to make transmission, how to make
4 sure it is made in an on-going routine basis, and
5 again, we need some sort of better routine
6 process. PUC President Peevey issued in a signed
7 Commissioner's ruling in October suggesting that
8 this process would be developed through some sort
9 of open and public process. That hasn't happened
10 yet, I think that is something that does need to
11 be developed in the near future. In particular,
12 it needs to be integrated with generation
13 planning.

14 The second question that was issued
15 asked about the delinking of generation in
16 transmission planning. I think that has had some
17 negative consequences that can be resolved if we
18 tie the two processes back together again.

19 Thank you.

20 PRESIDING MEMBER GEESMAN: Thank you,
21 Kevin, particularly for those last remarks because
22 I think you are on to something there that we need
23 to explore further.

24 On the question of uncertainty about
25 future loads and who the utilities customers will

1 be, we got into this same dialogue a week or so
2 ago with Scott Kushwaf from ORA at one of our
3 earlier workshops. I asked him and I want to ask
4 you the same question, whether the CPUC's
5 December's decision which made very clear or at
6 least attempted to make very clear the PUC's
7 intent to attach exit fees in such a way that no
8 cost shifting would be allowed. Whether that
9 provided adequate certainty to the utilities to
10 quell their concerns about the uncertainty of who
11 their customers will be in the future.

12 MR. WOODRUFF: Yeah, I was here for that
13 meeting, and I thought that was actually the best
14 part of the day when the panel talked about those
15 issues. I think that would help provide them some
16 substantial help. I am not sure it addresses all
17 their issues as Scot Kushwaf mentioned, they still
18 face the issue of customers coming back when based
19 upon what happens in the power markets and paying
20 potentially higher spot prices to meet the needs
21 of those customers. There is still some
22 uncertainty coming back.

23 I guess I would be concerned, even
24 though TURN supported exit fees in general in the
25 proceeding that led up to that decision, I just

1 have a little queasiness about sort of their long
2 term viability and application. I don't think
3 they sort of resolve all of the issues entirely.
4 Just to say that we have exit fees, there is again
5 the implementation to consider and the longevity
6 of that as a policy. Yes, it is a partial step.

7 PRESIDING MEMBER GEESMAN: How would you
8 address the concerns about returning customers?

9 MR. WOODRUFF: The Commission had -- you
10 are getting into an area I don't know very well
11 some of the details very well, the Commission, the
12 Public Utilities Commission just about two years
13 ago issued a decision on so called coming and
14 going rules.

15 I know some of the IOU's and possibly my
16 client was not involved in that proceeding,
17 thought this might have been a little too lenient
18 or too flexible. That would be one area to look
19 at.

20 PRESIDING MEMBER GEESMAN: Scott
21 actually preponderate the view that once you are
22 gone you are gone. Do you have a reaction to
23 that?

24 MR. WOODRUFF: That is an interesting
25 policy and theory. I'm not sure you could

1 actually enforce that in practice. Again, one
2 reason that we are looking to the IOU's to build
3 now, to finance construction now is because they
4 can and no one else really can. If you have a lot
5 of non-core load that leaves and thinks it is
6 gone, that may be fine, but a few years down the
7 road, you may come into a situation where they
8 really need to be served, and the IOU's are the
9 only ones that can serve them. I'd be concerned
10 about being able to enforce that kind of a policy
11 over the long run.

12 PRESIDING MEMBER GEESMAN: Okay, and
13 then the next step is if they do come back and the
14 IOU's do have serve them, they can be served on an
15 incremental cost basis for some period of time.
16 Do you have a reaction to that?

17 MR. WOODRUFF: I believe that is part of
18 the Commission's coming and going rules now, at
19 least for some period of time. The challenge
20 there is -- there are a couple of challenges
21 there, one of which is surmountable in practice
22 which is defining what those incremental costs
23 are, but you can impose that policy. The bigger
24 larger issue, though, is if the system is really
25 short of resources, if it is not just the prices

1 are high, but there is actually the state has
2 allowed itself to get short, you may not be able
3 to serve them at any price, assuming no one else
4 has asked to curtail.

5 Given the way the grid is designed now,
6 blackouts or rolling outages tend to be done on a
7 randomized basis, and it is not clear you could
8 necessarily serve them reliably.

9 PRESIDING MEMBER GEESMAN: Now one of
10 the benefits of advanced metering claim to be the
11 ability to have targeted outages. TURN has not
12 been among the most exuberant fans rational or
13 irrational of advanced metering.

14 MR. WOODRUFF: Yeah.

15 PRESIDING MEMBER GEESMAN: Would you see
16 that as perhaps a hidden benefit of the advanced
17 metering initiative?

18 MR. WOODRUFF: Again, I'm not -- I don't
19 have all the details of advanced metering, the
20 advanced metering case. What would concern me in
21 that case also is, again, five or ten years down
22 the road, are the state's political leaders really
23 going to say to a major industry, well, you have
24 signed up for this, you know, you have to shut
25 off. That could be a deal that would make sense

1 to the state and to everyone involved now, but
2 five or ten years down the road, the owners of
3 that business have a fiduciary responsibility to
4 their shareholders, and they are going to try,
5 assuming they are a profitable business, still try
6 to keep their power coming in, and I don't blame
7 them for doing this.

8 I'm not being critical, I am being
9 realistic here. They are going to come and try
10 and keep the power flowing to them. I've seen
11 cases where businesses before have looked at a
12 contract that was signed ten years before and say,
13 what were we thinking, you know, what was that guy
14 thinking when he signed that. That would concern
15 me about that kind of assumption as well.

16 PRESIDING MEMBER GEESMAN: Thanks very
17 much.

18 MR. JORDAN: If I could, I'd like to
19 comment on the exit fee issue. You know, it would
20 seem to me that sort of an exit fee is really
21 designed to make sure that the investor-owned
22 utilities don't lose any customers to those
23 sources. A better way to handle that would be for
24 the Energy Commission, which has the expertise to
25 forecast what are the likelihood of how much load

1 leading in the current situation, community choice
2 aggregation and direct access being in suspension,
3 as one of my utility managers said, even if you
4 include annexations by existing municipal
5 utilities, you are probably talking less than the
6 IOU line losses.

7 PRESIDING MEMBER GEESMAN: I'm not
8 certain I agree with you in terms of the expertise
9 necessary to be able to forecast --

10 MR. JORDAN: You used to have it.

11 PRESIDING MEMBER GEESMAN: You used to
12 be a younger guy too.

13 MS. HAMRIN: Could I address one
14 substantive issue I didn't mention briefly?

15 PRESIDING MEMBER GEESMAN: Yes.

16 MS. HAMRIN: That is the deliverability
17 requirements for renewables. I think it would be
18 useful to look at what the public interest goals
19 are of those requirements to see if there is some
20 other options for meeting those goals because I
21 think in many cases they can be a direct detriment
22 to the ability to bring renewables on line in the
23 state or meet our RPS requirements or other
24 things. I think the important part is not what
25 the rule is, but what was the purpose of the rule

1 and whether there is some other ways of getting
2 there so it doesn't have a negative effect that it
3 might be having now on some development.

4 PRESIDING MEMBER GEESMAN: I think that
5 is a good point, and we had a contractor report on
6 the RPS program recently that Ryan Weiser and
7 Kevin Porter had coauthored that raised those
8 deliverability concerns with the existing
9 structure of the program.

10 I think the draft ALJ's decision that is
11 out now at the CPUC intended to structure the 2005
12 solicitation tries to address that. I think it
13 could be strengthened quite a bit, and I know that
14 there is legislation currently I think in the
15 second House in both instances trying to address
16 improving the deliverability of out of state
17 resources.

18 I think in the early stages of the
19 program one way or another, we have seemed to have
20 structured a lot of road blocks in terms of
21 bringing renewable resources to load centers, and
22 I do think along the lines that our consultants
23 pointed out, there are better ways of doing it.

24 Any audience comments or questions?

25 Yes?

1 MR. KINOSIAN: Robert Kinosian again.

2 Just one comment on the stranded cost risk and the
3 potential hold up that is for utilities to enter
4 in to new contracts or to build new projects. The
5 problem there is a lot less than it was
6 historically. When deregulation was first looked
7 at in the mid-90's, the stranded costs were for
8 roughly half the utilities resources of nuclear
9 plants and qualifying facilities that cost well
10 over 12 cents a KWh on average. Now the stranded
11 costs that we are potentially looking at are for
12 contracts of much lower magnitudes of MWs in the
13 aggregate, and the price is on the order of six or
14 seven cents a KWh. So, the magnitude of stranded
15 cost risk here is nothing compared to what it was
16 ten years ago.

17 When you balance that out against the
18 utilities existing their own resources, the hydro
19 plants, coal, and nuclear, which costs on the
20 average of around three to four cents a KWh,
21 they've got a lot of existing resources that
22 offset even the potential for those stranded costs
23 not to be able to be recovered.

24 The bottom line is I think this is an
25 issue that if the parties sit down and discuss

1 with some compromises, there should be something
2 that can be dealt with without it being the hang
3 up that prevents new facilities from being built.

4 PRESIDING MEMBER GEESMAN: What is your
5 take on the role of debt equivalent as a
6 disincentive to the utilities to enter in to long
7 term contracts?

8 MR. KINOSIAN: That is something that
9 has been addressed at the Public Utilities
10 Commission. The last time they addressed it, I
11 cannot remember the decision number, they have
12 approved some debt equivalency financing for
13 utilities regarding incremental contracts, so
14 hopefully that should not in any way, shape, or
15 form be a hold up because utilities are currently
16 the PUC's program seems to be to reimburse them
17 for any incremental costs due to incremental
18 contracts.

19 PRESIDING MEMBER GEESMAN: Do you think
20 that is a sustainable policy, I mean Kevin's ten
21 year scenario? Is that a decision that once it is
22 made by the CPUC doesn't get revisited by some
23 future Commission?

24 MR. KINOSIAN: It will likely get
25 revisited each time the utility asks for an

1 additional increase in their rate of return to
2 deal with an additional contract. Parties will
3 look at whether or not that contract in particular
4 poses additional risks and whether there needs to
5 be a need for additional compensation. It is an
6 issue that the Commission addresses cost of
7 capital every year for these utilities, and it is
8 one of many many issues.

9 Right now, all I can say is that the
10 utilities have risen back to credit worthy status
11 very quickly after being in bankruptcy or on the
12 verge of bankruptcy, so the Commission's recent
13 history has been, you know, to make sure that the
14 utilities are credit worthy and to address their
15 needs.

16 PRESIDING MEMBER GEESMAN: Yeah, but if
17 I am a utility and I am attaching literal
18 significance to the published S & P criteria,
19 aren't I always going to prefer to sign a three-
20 year contract compared to a ten-year contract?

21 MR. KINOSIAN: Not if for the ten-year
22 contract you may be getting an incremental
23 addition to your rate of return to deal with the
24 risks of that contract compared to the three-year
25 contract which is what the Commission's process

1 currently allows for.

2 Once again, each individual case is
3 going to be addressed by the Commission, so it is
4 not that there is a blanket okay. Any contract,
5 regardless of the cost of risks, you are getting
6 "X" for.

7 PRESIDING MEMBER GEESMAN: Other
8 questions, comments from the audience?

9 (No response.)

10 PRESIDING MEMBER GEESMAN: Okay, we are
11 going to take a lunch break.

12 MS. GRIFFIN: Wait.

13 PRESIDING MEMBER GEESMAN: I'm sorry,
14 Karen.

15 MS. GRIFFIN: The choreographer is back
16 again. Remember that we wanted to have a strong
17 Act 1 finish, and so the finish was Greg Blue from
18 West Coast Power who is up next, and then we go to
19 lunch.

20 MR. BLUE: I'm hungry, so I won't be
21 long. Almost good afternoon, but not quite. Good
22 morning. Greg Blue ideologue, not really. I am
23 with Dynegy on behalf of West Coast Power, and
24 first before I start, and I am going to try to be
25 real brief, but I do want to respond to some of

1 the panelists I heard this morning and some of the
2 questions that I heard asked by the Commissioners.

3 First of all, I think Commissioner
4 Geesman referenced FERC Commissioner Pat Woods
5 exit interview where he gave the state a D- or D+,
6 I'm not sure. His basic thrust was that we
7 weren't moving fast enough.

8 West Coast Power and in particular
9 started participating in this IEPR process in
10 October of 2003 at the hearing we held down in El
11 Sugundo. Both of you guys were there.

12 We started talking about some issues
13 there that I am going to be talking about again
14 today because they haven't been addressed yet, so
15 we are still doing a lot of talking. Also in
16 reference to -- I heard a lot of talk about
17 merchant generation and merchant generators.

18 I can't speak for anybody else, but we
19 are not a merchant generator any more, we are an
20 independent power producer. We don't build power
21 plants spec or take merchant risk any more. That
22 was the prior Dynegy, the prior energy companies.

23 That terminology is a misnomer, we
24 really need to get back to independent power
25 producers because that is what we have. We don't

1 have a merchant market anymore.

2 The reference to aging power plants --

3 PRESIDING MEMBER GEESMAN: Do you bid
4 projects as turnkey or with purchase options by
5 the customer?

6 MR. BLUE: There is a lot of
7 confidentiality associated with bids as you know.
8 So, I can't talk a lot about bids, but we do bid -
9 - most of our bids, and I am including across the
10 country are tolling type bids. I do not believe
11 we bid anything with a purchase option at the end,
12 but I'm not the commercial person, so I don't
13 know.

14 There was some questions about whether -
15 - we are going to file written comments on the
16 specific questions at the appropriate time, and in
17 fact, next week we are going to be filing also
18 comments on the environmental performance report
19 and our favorite report, the Once-Through Cooling
20 Report. I was going to mention that a little bit
21 later.

22 The issue of aging power plants and
23 whether there are detriments to new generation, we
24 don't think they are, No. 1 because we need all
25 the plants we can get right now. We need all the

1 new plants we can build, we need all the utility
2 plants we can build, we need all the renewable we
3 can build. We need it all right now. That is a
4 fact.

5 The quickest way to get plants to retire
6 is for people to quit giving them power contracts.
7 Okay, we've retired Long Beach at the end of '04
8 because we didn't have a power contract. Our
9 shareholders eat stranded cost, and we eliminate
10 stranded cost pretty quickly, so we are not going
11 to be staying around if we don't have a contract,
12 so right now people keep offering us contracts
13 whether it is the ISO, the utilities, or so forth
14 for the existing plants. Until we have a
15 sufficient amount of other generation or other
16 option transmission, you are still going to be
17 needing some of these existing plants.

18 Let's see, some of the things we are
19 going to say today will sound real familiar to you
20 folks up on the dias. While we have been
21 promoting some of these policy recommendations
22 through or at the joint energy agency meetings,
23 this is our first opportunity to put them on the
24 record for the 2005 IEPR, so some of these will
25 look familiar, but I want to talk a little bit

1 about some of them, but we are going to put them
2 on the record because we think they are important.
3 So, this is our opportunity.

4 I am basically going to be talking about
5 generation resource issues, no big surprise there.
6 You know, we really need to keep moving ahead. A
7 lot of these things before I really get started, a
8 lot of these things are being addressed, again,
9 not being addressed fast enough in our opinion,
10 and I am going to talk about some of that.

11 As California has already outlined in
12 the Energy Action Plan, you know, some of these
13 solutions out here are contained already, and we
14 support all of this. We support all the demand
15 reduction we can do. We support energy
16 efficiency, we support transmission additions and
17 upgrades. We support the increased amount of
18 renewable resources.

19 We need to be doing as much of three as
20 we can as feasibly possible, but in the meantime
21 we are going to have to end up I think at the end
22 of the day building more gas-fired generation.
23 Going back to the Energy Action Plan itself, the
24 forecast that was presented in the Energy Action
25 Plan was something like on the order of 1,500 to

1 2,000 MWs a year, a year. We are not quite there
2 yet.

3 Our policy recommendations. Resource
4 adequacy requirements, we've heard a lot of talk
5 about this, but really the most important piece of
6 this is penalties for non-compliance. We've got
7 to have penalties. That is the incentive, you
8 know. Unfortunately, sometimes there is an
9 incentive of a carrot, and sometimes there is a
10 stick. I think we may have to have a stick here.

11 Our biggest concern here is the slippage
12 of time as we see in the workshop report has been
13 been delayed. We see now the orders are going to
14 be delayed. We are concerned about the June 1,
15 2006 time frame being delayed and/or being some
16 sort of a half attempt in the first year. So, we
17 are really concerned about that. We are pushing
18 hard in that process to keep moving forward on
19 this.

20 We think that, for example, you need to
21 determine the penalties have to be severe enough
22 to where LSE's, and I am talking about all LSE's,
23 are going to have to get out and procure. That is
24 the only way you are going to get them to do that.

25 Tradeable capacity markets, where

1 capacity can be traded bilaterally or in a
2 centralized market, and we think needs to be
3 administered by the ISO. We heard a lot of talk
4 about that this morning as well.

5 What we think about capacity markets,
6 yes, I agree with I guess Mr. Woodruff who said
7 capacity markets in and of themselves are not the
8 solution. You need capacity markets almost as the
9 residual, the last resort so to speak. You need
10 both long term contracts, and you need a capacity
11 market.

12 What is happening in the next issue of
13 the LSE's must procure power plant capacity
14 through long term power purchase agreements. Yes,
15 the utilities are moving ahead with RFO's. Every
16 RFO that the utilities have issued comes with
17 strings and conditions attached and/or limitations
18 on who can participate. That is a problem. I'm
19 happy we are moving ahead with long-term
20 contracts. We think, you know, if we want to talk
21 about rates and costs, we think 15 or longer --
22 you know, 15-year terms are better than 10-year
23 terms.

24 We have done some quick calculations.
25 The difference between a 10-year contract and a

1 15-year contract as far as capacity payments is
2 about 15 percent, so if you want to reduce annual
3 rates, you know, it is an idea of just like a
4 mortgage payment.

5 PRESIDING MEMBER GEESMAN: Yeah, but
6 that assumes that you amortized the principle over
7 the term of the debt?

8 MR. BLUE: No, it does not. It assumes
9 recovery of 80 percent of the debt, and you
10 recovered over 10 years, you recovered over 15
11 year, and bankers are willing to -- what the banks
12 want to do is they want to see a contract -- this
13 is what I am being told, I am not the finance
14 expert. I am being told by my people in Houston
15 that banks will lend based on if you can recover
16 80 percent of your debt and your operating costs,
17 they are willing to take some risks for that last
18 little piece assuming there will be a market out
19 there.

20 Balance procurement rules are needed to
21 insure level playing field between utility-owned
22 assets and I use the word merchant assets, but I
23 changed that before, so IPPS. Once again, this is
24 some of the same old policies I have been talking
25 about, but what we are talking about there is the

1 independent evaluator being hired by the utility.

2 We think that is a big problem.

3 The utilities are applying for in their
4 general rate case to have a department that does
5 project development, which gets recovered by rate
6 payers which we don't get project development
7 costs recovered by ratepayers, so we think that is
8 an issue there.

9 Again, we heard reference to the FERC
10 mandated must offer. It needs to be lifted. A
11 lot of people are saying it. FERC unfortunately
12 came out with an order last week that maybe they
13 are thinking differently, so we have some work to
14 do on that. The support of all state agencies on
15 this issue I think is critical. Removing the
16 uncertainty over core/non core market structure.

17 I'm just saying we've got to do
18 something, either get in it or get out of it, but
19 just right now this uncertainty is not good for
20 the whole market. So, we need to figure out what
21 we are going to do there.

22 The last, no presentation is complete
23 for me without a word about repowering. We think
24 that state support is needed to implement
25 incentives for repowering because these aging

1 plants will shut down eventually. What is
2 important is the existing sites, where these are
3 located. A lot of these are located in the heart
4 of the load center, I mean right there, and will
5 pass any deliverability screen that is put up
6 there.

7 We think some of these sites are
8 important. I'm only going to read one quick
9 thing. I don't normally like to read, but I am
10 going to read one quick section out of the
11 December procurement order that Mr. Geesman
12 referred to earlier. This is the December 16
13 order PUC Decision 0412048. This is for the
14 benefit of all my utility friends in the room
15 here.

16 To this end, we agree that modernization
17 of old, inefficient and dirty plants should be
18 among the IOU's first choices of resources.
19 However, we are concerned that the least cost/best
20 fit process would not allow a positive attribute
21 of a brown filled site to be fully considered or
22 fairly assessed.

23 We disagree with SDG & E's position that
24 the RFP process should automatically incorporate
25 the positive attributes of the brown fill sites.

1 It is generally good policy to consider brown fill
2 site before developing green fill sites because of
3 existing infrastructure, being close to load
4 centers, and many other benefits. Therefore, we
5 direct the IOU's to consider the use of brown fill
6 sites first and take full advantage of their
7 location before they consider new generation on
8 green fill sites.

9 If IOU's decide not to use brown fill,
10 then they must make a showing that justifies their
11 decision, and we will be of course reminding the
12 utilities of this as we go forward.

13 PRESIDING MEMBER GEESMAN: Yeah, but
14 Greg, I've got the same question I had on this
15 topic of you last year.

16 MR. BLUE: Sure.

17 PRESIDING MEMBER GEESMAN: What
18 incentive? You just got that preachy bit of
19 rhetoric from an official decision. What else do
20 you want? Do you want a bid adder?

21 MR. BLUE: Fine. Are you offering it?
22 I mean if you are offering it, I think in my
23 opinion it is good public policy for California to
24 maintain these existing sites the same way it is
25 good public policy to encourage the increasing use

1 of renewables, the same way it is good public
2 policy for reducing greenhouse gas emissions. I
3 think it is good public policy.

4 PRESIDING MEMBER GEESMAN: What is --

5 MR. BLUE: I don't have a specific
6 recommendation exactly what it is.

7 PRESIDING MEMBER GEESMAN: What is wrong
8 with SDG & E's perspective that many of those
9 attributes, if not all of them, ought to be
10 reflected in the price you bid.

11 MR. BLUE: Well, today we've seen
12 nothing but exclusion by a lot of existing
13 resources on some of these things.

14 PRESIDING MEMBER GEESMAN: That is a
15 different subject.

16 MR. BLUE: Okay. It is all the same
17 subject to me.

18 PRESIDING MEMBER GEESMAN: Okay.

19 MR. BLUE: None the less, it is an
20 issue. Not all of these plants need to be
21 repowered, only the ones that we feel are deemed
22 critical by the ISO and for reliability, and even
23 the aging power plant report that was issued last
24 year identified some of these existing plants, and
25 they said they are needed. No matter what, they

1 are needed in the LA Basin, for example, these
2 plants are needed for reliability of control, they
3 have all of this SKIT, noma gram, and stuff like
4 that. Some certain plants are specifically
5 needed.

6 PRESIDING MEMBER GEESMAN: We permitted
7 the one plant that has come before us in that
8 basin, and at the time that we permitted it, I
9 observed that you guys had taken an awfully long
10 time to get it to the full commission for a
11 decision and expressed the desire that the plant
12 go to construction as quickly as possible.

13 MR. BLUE: Unfortunately, the Edison RFO
14 that was recently completed or just issued the
15 ten-year RFO, again, the limitation for '06 to '08
16 on line date, if you come on line after that, you
17 are out of luck. El Segundo is scheduled for '09
18 type of a time frame. So, again, I applaud the
19 RFO --

20 PRESIDING MEMBER GEESMAN: The early
21 bird gets the worm.

22 MR. BLUE: I guess so. I'm not here to
23 debate that topic, but you know.

24 The last policy we have recommendation -
25 - we are going to be giving you some comments on

1 this next week, some more detailed comments, but
2 do not adopt a restrictive staff recommendations
3 contained in the Once-Through Cooling report until
4 information is collected and evaluated in the 316
5 B process. We don't have to get into a big debate
6 with everybody here on this topic, but it is an
7 issue that I think could inhibit because you have
8 asked what policies will hinder things. We think
9 this is a hinderance potentially. We are going to
10 be fully and complying with the 316 B and all the
11 federal rules there.

12 We are in the process of collecting data
13 already on this stuff, and so we are already
14 moving ahead, and even the staff report said that
15 understanding the magnitude of some of these
16 impacts is difficult until we have standardized
17 kind of studies, so we are just concerned about
18 some of the recommendations that are there. We
19 will give you some specific comments on that next
20 week.

21 PRESIDING MEMBER GEESMAN: You know, the
22 state clearly has an interest in pursuing
23 appropriate implementation of the new EPA regs,
24 and the governor's ocean council I think is likely
25 to be the focal point of that. Do you think the

1 316 B process for all plants along the coast is
2 really the most effective forum for addressing
3 these concerns?

4 MR. BLUE: Unfortunately, I am not an
5 expert enough to even attempt to give you an
6 answer, and I am not give you an answer that I
7 don't know, so unfortunately, I don't know that
8 answer.

9 The next two slides I am going to put up
10 actually I gave at the June 15 Joint Energy Action
11 Meeting in San Francisco. What this is --
12 actually in that presentation, I attributed Joe
13 Desmon to this actual chart here which was Joe
14 Desmon called his report card on energy policies
15 from California. In fact, it really came from the
16 CEC report, the 2004 Update Report, and we really
17 liked this kind of idea of putting up there where
18 are we on some of these things.

19 So, this is some of the big policy goals
20 that was up there, and Joe Desmon had called this
21 his report card. This is prior to when he was
22 sitting on the Commission.

23 We put this up there, and I am again
24 going to introduce this into the record again. I
25 think having one in the '05 IEPR is a good idea,

1 having some sort of progress report. Again, some
2 of you all have seen this, this is our own
3 progress report that we put up based on our policy
4 issues.

5 For all of the reasons that I've talked
6 about earlier, you know, maybe that is a D- or a
7 D+ there, I am not quite sure, but again, we think
8 that this idea of tracking where we are on some of
9 this stuff is important because, again, some of
10 these things I've been talking about since '03,
11 and we are still not there yet. So, with that, I
12 will close and take any questions.

13 PRESIDING MEMBER GEESMAN: Thanks, Greg.
14 Any additional questions or comments from the
15 audience before we take out lunch break?

16 (No response.)

17 PRESIDING MEMBER GEESMAN: Okay, we will
18 reconvene at 1:30.

19 (Whereupon, at 12:15 p.m. the workshop
20 was adjourned, to reconvene at 1:30
21 p.m., this same day.)

22 --oOo--

1 AFTERNOON SESSION

2 1:40 p.m.

3 MS. GRIFFIN: Thank you. Before we
4 start this afternoon, for those of you who haven't
5 checked the news, the count in London is up to 40
6 dead and 700 injured in the bomb blast.

7 This afternoon's panel, we are starting
8 off with the three IOU's. You are all well
9 organized at the table, so if we can just take you
10 in order with San Diego going first, thank you.

11 MR. SAKARIAS: Good afternoon. I am
12 Wayne Sakarias from San Diego Gas and Electric and
13 also SoCal Gas. I very much appreciate the
14 opportunity to speak today. More than that, we
15 very much appreciate the serious effort that this
16 agency and the PUC have been engaging in to cure
17 the problems that we had in the energy crisis.

18 I worked as the Director of Fuel and
19 Power Supply for SDG & E during the energy crisis,
20 and it was an awful time. Every day our CEO would
21 say it is going to get worse before it gets
22 better, and he was right. So, we are very
23 fortunate to have the people that we have in these
24 two agencies. We really look at it as kind of a
25 team effort, and we appreciate that a lot.

1 COMMISSIONER BOYD: How come your hair
2 didn't turn white like mine did?

3 MR. SAKARIAS: Just fortunate, heredity.
4 I'll give some examples. We talked about the
5 Mission Miguel ceremony today. We also had a
6 recent approval by the PUC of the Otay
7 Transmission Project which will facilitate the
8 Otay generation plant, and that is all to the
9 good.

10 We do live in the shadow of the energy
11 crisis, and our first actions need to be to make
12 sure that we have cured all the problems of the
13 crisis. We have made a lot of good progress, but
14 the substance of what I want to talk about is what
15 is left to do because we don't think that we've
16 finished that job.

17 Our view of the policy issues is a bit
18 different level than the policy issues in the
19 discussion paper. It is a bit higher level than
20 that. Those are the things that I will direct
21 myself to. If you want to talk about other
22 issues, I'm certainly prepared to respond to those
23 questions if I can.

24 In our view, there are seven things that
25 need to be done still by the state to get us to

1 where we think we need to be, and that is to
2 provide confidence in our citizens that they are
3 going to receive reliable service at reasonable
4 rates. That confidence was torn away from them
5 during the energy crisis.

6 I just want to go through those seven
7 points. The first one is we need to fix the ISO's
8 operations. What I mean by that is one of the
9 major causes of the energy crisis was a flawed
10 market structure. Now my perspective of flawed is
11 different than Jerry Jordan's was. They are on
12 the right track, but they didn't do it right.

13 The ISO is in a process now and has been
14 for a number of years of reforming, and we are not
15 comfortable that we are there yet. The schedule
16 has them completing this in another year or two.
17 Will they complete it right, will they complete it
18 on time? We don't know.

19 The first thing we need to do is make
20 sure we get those flaws fixed. By the way, the
21 first three of these points are points that we
22 believe need to be in place before we can reopen
23 any kind of customer choice.

24 We are a supporter of customer choice.
25 We have been since its inception, but we believe

1 that there is a sequence of events you need to
2 take, and this is one of those three.

3 The second thing we need to do is what
4 I've referred to as be sure there is enough
5 supply. Some people refer to this as resource
6 adequacy, insuring there is adequate reserves.
7 The PUC is in a process to try and do that. We
8 think the PUC is not quite on the right course.

9 The approach the PUC is following is
10 load serving entities provide for resource
11 adequacy for their own load. They do it less than
12 a year in advance. They do it for the following
13 summer. You might not know whether they did it or
14 not until you've had a shortage. Then we will
15 deal with them through penalties, unfortunately,
16 we may also deal with it through outages.

17 We don't think that is quite the right
18 approach. We think that you have to have an
19 approach that applies to everyone. We are
20 concerned that this approach does not. As you
21 know, there are questions we heard today about
22 jurisdictional authority of the regulators. That
23 probably is going to need to be cleaned up with
24 legislation. There is also some entities are just
25 excluded from that process such as publicly owned

1 utilities.

2 We think a process has to give timely
3 signals to build infrastructure. I mentioned that
4 the process that we have right now is you plan
5 today, commit today for the following summer.
6 Well, there is no signal for new infrastructure
7 three or four years in advance or the amount of
8 time it takes to plan, permit, and construct new
9 supply.

10 So, we don't think that current
11 structure accomplishes that. We think it needs to
12 prevent free riding and cost shifting and cost
13 stranding. What we are worried in a period of
14 transient load where load goes from one supplier
15 to another is who is planning for that load. We
16 have two people planning for it or nobody planning
17 for it.

18 That causes us a lot of concern. We are
19 concerned that there are entities today that may
20 be free riding off of this capacity utilities
21 already have. We are very concerned that we get
22 on the right track on this, and our approach
23 favors a centralized process rather than a
24 decentralized process where ISO or some other
25 entity manages the resource adequacy and people

1 can acquire the capacity themselves, but then
2 supply it in through the ISO, or the ISO will
3 acquire the capacity through a process where it is
4 done several years in advance rather than several
5 months in advance.

6 PRESIDING MEMBER GEESMAN: Do you think
7 that is consistent with the cost pressures that
8 are being brought to bear on the ISO?

9 MR. SAKARIAS: I'm not clear on the
10 question.

11 PRESIDING MEMBER GEESMAN: I didn't
12 phrase it very elegantly, but it would appear to
13 me that there are fairly strongly presented
14 positions by the muni's and others that have
15 gained a certain level of traction with FERC about
16 the costs of ISO operations and as a consequence,
17 the role of the ISO recently seems to have been
18 either static or shrinking. You are suggesting an
19 expanded role for the ISO. My question is, do you
20 see that being consistent with the arguments about
21 ISO costs?

22 MR. SAKARIAS: What we have longed felt,
23 and when I was in fuel and power I believe this
24 way back in 1998, is that the ISO could do a
25 better job in managing the costs of the services

1 it provides. This certainly is an additional
2 service, but it is a service for value. You get
3 something out of it. It is something that you are
4 going to wind up paying for one way or the other
5 anyway. We were going to have some regulator
6 somewhere trying to engage in oversight over a
7 bunch of individual LSE's and possibly litigating
8 their jurisdictional authority to do it in the
9 first place. We are going to have some costs
10 there.

11 My answer is, yes, it is an additional
12 cost, but one for which we would expect value, and
13 secondly, what we would rather do and see the ISO
14 do is manage the costs for the services it
15 provides in a more efficient manner. We are
16 certainly hopeful that with the new leadership,
17 that we will see that kind of thing.

18 The third thing that we think needs to
19 be done and also one that we believe is essential
20 before it can reopen customer choice is to get rid
21 of some of the perverse price signals that are
22 embedded in the rates and primarily the one I am
23 thinking of is a cap on customer rates caused by
24 AB 1X. What this does, in essence, is give
25 customers an incentive to go someplace else rather

1 than bear the cost of that subsidy that they are
2 providing to the AB 1X group. It also gives price
3 signals to use energy when you shouldn't be using
4 it.

5 So, we have long supported that reform,
6 that is a political difficulty, we understand
7 that. We think there are ways to deal with the
8 political issues, especially those wanting to make
9 sure we are protecting those people who are
10 disadvantaged financially. We don't think you
11 should shut the door on that issue. If you don't
12 take care of that issue, then when you reopen
13 customer choice, you are just giving incentives
14 for people to leave just by the basis of the cost,
15 and someone else is going to have to bear those
16 costs.

17 Beyond those, the other four things we
18 think the state needs to do are independent of
19 whether we have customer choice or not. The
20 fourth one is to reform transmission siting, and
21 we have had a lot of dialogue on this. We are
22 very appreciative of people's attention to this
23 issue.

24 There is cause for hope on this. We
25 talked about a couple of lines that PUC has

1 approved for us. They have obviously backed it up
2 with action and then that is good news.

3 We do think there is still opportunities
4 for regulatory overlap, regulatory duplication,
5 iterative processes all which slow down the
6 process and also for people to misuse the process
7 as a means of slowing it down and hopefully
8 stopping it. Those are things that need to be
9 cleaned up if we are going to get transmission
10 siting to work as efficiently as we can. Not to
11 abandon environmental concerns, for example, or
12 abandon issues of is this the best alternative,
13 but let's do it the most efficient way we can.

14 Coordination -- I'm sorry.

15 PRESIDING MEMBER GEESMAN: I recognize
16 the desire of probably all regulatees to say nice
17 things about the regulators, and I do think that
18 the PUC certainly deserves commendation on the
19 recent Otay Transmission decision. That was a 15
20 month process, and I think by the standard of past
21 performance, that is pretty good. That was a
22 pretty easy line, and let's not kid ourselves that
23 you are unlikely to get future projects as easy to
24 approve as that one.

25 The Mission Miguel Project, which was of

1 critical importance and identified as being of
2 critical importance, some number of years ago when
3 it first emerged out of the ISO planning process
4 was allowed to age or season or perhaps simmer in
5 somebody's desk drawer in the regulatory process
6 for well over a year with no clear opposition to
7 the project at the time. I think that we still
8 have a legacy of poor performance in this area,
9 and we ought to be held to a pretty high standard
10 in terms of trying to improve it.

11 MR. SAKARIAS: You've described why we
12 think this job still is not complete, and we are
13 still feeling the effects of the Commission's
14 failure to approve the Valley Rainbow Line. We
15 think that was a big mistake, and one that has
16 cost our customers. Different leadership,
17 different circumstances, but events can change.
18 We can have different leaders again, so the
19 process needs to be reformed so we can correct --

20 PRESIDING MEMBER GEESMAN: The projects
21 that you've got in front of you right now are
22 among the tougher ones for the process to digest,
23 and I think the challenges we are likely to face
24 in the next several years in transmission will be
25 substantially greater than we faced in the past

1 several years.

2 MR. SAKARIAS: I think that is true.

3 The two projects you mentioned are the low hanging
4 fruit kind of things. It is these longer
5 facilities going across lots of territories, some
6 of it state owned, some of it privately owned that
7 become big problems. In the long term, we really
8 need some kind of planning process for corridors.

9 It is easy to over simplify that. That
10 is a very difficult job, but it is one that in a
11 state that grows as fast as this state does, we
12 can't ignore it, we have to find a solution to it.

13 I think that there have been some very
14 helpful dialogue on how to coordinate or
15 coordinating with the ISO. The ISO does a lot of
16 the work up front as we heard earlier today.

17 In the case of Valley Rainbow, all that
18 work was ignored by the PUC, and we think we can
19 do better than that, and so that is one of the
20 areas that I think we would like to see reformed.
21 We have some growing policy concerns. We have
22 heard within the walls of not these offices but in
23 the capitol people talking about disconnecting
24 transmission and renewables. That we can build
25 renewables and take advantage of them without

1 transmission.

2 We just don't think that is true. It is
3 true for some, but it is not true for a lot of the
4 kinds of facilities that we think are going to
5 need to be accessed. Wind is a very obvious
6 example, and we have had some talk about that in
7 context of Tehachapi's. San Diego also has access
8 to wind resources that you can't get to them
9 without new transmission over areas that might be
10 viewed as sensitive.

11 I've read in our local media in San
12 Diego several articles of people saying, oh, there
13 are three wind areas identified for study in San
14 Diego. We don't really like any of them. Well,
15 that sort of narrows our opportunities quite a
16 bit.

17 You are right, this is a tall job, and
18 we are concerned because of that talk. Now that
19 you can do renewables without doing transmission,
20 and we just don't think that is true. If that is
21 the direction we are going in this state, we are
22 going to have a problem on renewable portfolio
23 standards.

24 The fifth thing we think we need to make
25 sure we have in place is -- the shorthand is

1 competitively priced, diverse, and reliable
2 generation portfolio. The long hand for that is
3 to make sure we have a process that everybody is
4 okay with for how we access new supply.

5 We think we are on that track in San
6 Diego. We have gone through a bidding process
7 that resulted in two new power plants being built
8 in San Diego. What we don't want to wind up doing
9 is having to litigate the process every time, and
10 we don't want to have something that winds up
11 being sort of a carbon copy of my old favorites,
12 the BRPU, which I worked on for a number of years
13 before I started doing this.

14 We envision a competitive process, we
15 don't envision that the utility will build itself,
16 but would engage in turnkey. We particularly are
17 concerned about utility ownership of a substantial
18 amount of supply in transmission constrained areas
19 where there is RMR contracts so that we cannot be
20 held up for ransom by other suppliers where there
21 is not enough competition.

22 Those are the kinds of things that the
23 process that we envision would have to undertake.

24 PRESIDING MEMBER GEESMAN: On the BRPU,
25 Wayne, I think there is something about our

1 regulatory process in California that naturally
2 gravitates to the BRPU, and I would hold out as an
3 example of that virus replicating itself once
4 again.

5 The market price referent process that
6 we utilize for the renewable portfolio standard.
7 Everyone has the best of all possible intentions
8 on this. There is not yet the evil witch from the
9 south that appeared at the tail end of the BRPU
10 process on the scene, but the natural tendency
11 seems to be to make it more and more and more
12 complex into a tribute levels of precision to the
13 calculational process that most mathematicians
14 would tell you defy logic.

15 So, I hold that out as an example. I
16 don't know how to resist that.

17 MR. SAKARIAS: First off, I wish I had
18 said that myself because I think you accurately
19 stated a lot of the problems of the BRPU. We are
20 not going to be able to avoid to press toward it.
21 What I hope we can avoid is the feeling that
22 people are excluded or unfairly treated unless we
23 have such a process. I don't think it is
24 necessary to have such a process.

25 We believe that we treated the bidders

1 fairly in the process that we went through, and of
2 course, we have tried to use this public group as
3 a means of kind of testing how are we doing, and
4 so we are hopeful that we can work through that
5 and get people to feel like they are not
6 disenfranchised or unfairly treated, that they
7 have a fair shake.

8 Our job is not really to provide fair
9 shakes for people, our job is to provide good low
10 priced energy opportunities, but fair shakes means
11 you get people participating in the process, which
12 you really need to have.

13 PRESIDING MEMBER GEESMAN: When you say
14 this public group, do you mean the procurement
15 review group?

16 MR. SAKARIAS: Yes.

17 PRESIDING MEMBER GEESMAN: What is your
18 view as to how that particular institution works?
19 I am not speaking as much about your own
20 experience with your particular group, but how do
21 you feel about that as an institution?

22 MR. SAKARIAS: Unfortunately, I can only
23 give it based on our own experience, but let me
24 say that when it was first identified by the PUC,
25 I looked at it with a lot of skepticism. My

1 people have spoken positively about it because it
2 gives you that check from people who have an
3 independent interest, it is not generators telling
4 you how you ought to do things, or a utility
5 telling you how to do things, it is people who
6 have a more independent outlook, and that is
7 helpful to us.

8 So, what I have heard from our people is
9 positive on that. That is unfortunately all I
10 have to go on other than it has reduced my
11 skepticism a whole lot.

12 The sixth thing we want to do I think is
13 facilitate the renewables target. We have had a
14 lot of discussion on renewables today. It is
15 obviously a clear goal of the state. It is our
16 clear goal. The things we think you need to do is
17 provide as many tools as you can to get there. We
18 have talked about these before.

19 How do we take care of the transmission
20 process? We think it would be helpful to have a
21 system of tradeable credits like they have in
22 Texas. I mentioned to you some of our cause for
23 concern that people are saying you don't need
24 either of those. We don't agree with that. We
25 want every tool we can get because we are not in

1 the middle of resource rich, renewable resource
2 rich area in San Diego, so we need all the tools
3 we can get to get where the state wants us to be.

4 PRESIDING MEMBER GEESMAN: Hopefully you
5 get those for the 2005 solicitation.

6 MR. SAKARIAS: Yes, and we do have this
7 option outstanding, and I am expecting that we are
8 going to be starting to make announcements in the
9 reasonably near future. That is going to start
10 also revealing what is going to be needed and what
11 is not going to be needed.

12 The last thing that I think we need is
13 what I've got my notes here as stabilized rate
14 competitiveness and meaningful price signals.
15 What I mean by that is we can't have select
16 burdens on some players that don't apply to other
17 players.

18 In this state, we apply things to IOU's
19 on a policy basis that we don't apply to publicly
20 owned utilities, and yet at some level, there is
21 competition among those entities for retail
22 supply. Why do these policies apply
23 inconsistently. Within that context, I think on a
24 higher level, we need to think seriously about the
25 cost of the policies we do apply.

1 One reason we don't want to apply them
2 to muni's is we don't want to impose a cost on
3 them. Somehow we seem to be okay imposing the
4 cost on investor-owned utility customers. Their
5 rates are high. I've got to tell you, our rates
6 in San Diego are not low, and I went through the
7 burden of when they were high back in the 1980's,
8 and it is not where we want to be.

9 We looked at these programs, and we
10 always ask, all right, do you want to pay for it.
11 That's fine, but understand the cost that it is
12 going to impose on customers already paying high
13 rates.

14 Those are the things that we think need
15 to be done at a high level in terms of getting us
16 back to where we think we need to be in terms of
17 confidence for our customers that they are going
18 to reliably served and get what they expect and
19 deserve to have.

20 I'll answer other questions either on
21 these or any of the issues that were raised in the
22 discussion paper.

23 PRESIDING MEMBER GEESMAN: Thank you,
24 Wayne.

25 Stewart, you are up next.

1 MR. HEMPHILL: Thank you, Commissioner
2 Geesman, and good afternoon to all of you
3 commissioners. My name is Stu Hemphill, I am the
4 Director of Resource Planning for Southern
5 California Edison.

6 I want to thank you for raising a number
7 of issues. I think that they are good ones to be
8 asking. I just wish you had given us a little bit
9 more time, but thanks to Karen Griffin for giving
10 us a gold star for being the only ones to have
11 answered those questions.

12 PRESIDING MEMBER GEESMAN: How else
13 could we see you every week up here?

14 MR. HEMPHILL: There you go whether you
15 like it or not. I don't want an answer to that
16 one. I think it is an important role of state
17 government to both raise these questions and also
18 address them in the best way possible. I only
19 have two issues for you today, and you have heard
20 them both. So, what I will try and do is at least
21 bring them up and connect them and see if that
22 works.

23 I can talk about BRPU and PRG's and a
24 bunch of other things if you so desire, but what I
25 really want to focus on is on the retail market.

1 I believe the retail market is something that
2 needs to be stabilized, and if we reach that in
3 California, many of the other issues that you've
4 raised will go away. They will follow suit. That
5 includes the investment in new generation that
6 includes what to do with expiring QF contracts and
7 probably a host of other issues that you've
8 raised.

9 The way it works in this market is that
10 everything follows the retail, and if there is
11 instability in the retail, there will be
12 instability in the wholesale, and there are a lot
13 of potential solutions for the retail markets.

14 Some have talked about core and un-core,
15 and, yes, that could work. Others have talked
16 about coming and going rules, and the question
17 there is, you know, how can you get it to provide
18 the right incentives so that you will have the
19 investment in infrastructure and new generation
20 that everybody in California needs.

21 A third would be to either freeze it or
22 have it if you go, you are gone policy which is I
23 think Kevin Woodruff mentioned is good in concept,
24 and I agree with him, but very difficult in
25 practice. As I mentioned last week, it is not

1 something that customers desire. What they would
2 really like is a free option to come and go as
3 they please, and that doesn't work for any of the
4 entities in California from a practical business
5 standpoint.

6 It is a challenge, but I think it is the
7 most critical thing that this State of California
8 should be focusing on.

9 The second issue which you've also heard
10 and it is related is fair and equal treatment
11 retail obligations. Even if you have the coming
12 and going rules and you have a stable retail
13 market, if you continue to impose obligations on
14 one entity and not on others, you will have
15 continuing pressures to reopen and unstablize what
16 otherwise would have been a stable retail market.

17 It is a reality, that is what we see her
18 in California often, and so the simplest way to
19 implement it is to assure that each has equal
20 obligations.

21 There have been a lot of discussion
22 today about generation, who is going to contract
23 for generation, who is going to provide the
24 investment opportunity. You know, a couple of
25 points there, first, I've yet to see a single ESP

1 go out with a long term RFO. Even if they are
2 credit worthy, that is just a reality, but again,
3 it is an equal obligation that if one entity is
4 doing it, the other is too.

5 It is not about stranded costs as Bob
6 Kinosian suggested, although that is an issue. It
7 is about retail rates, and if one is going after
8 three cent power and the other one because it is
9 going after seven or eight cent power, there will
10 be a continued upward pressure on rates that must
11 be addressed in some way.

12 Stranded cost is an issue, but if you
13 continue to put upward pressure on one entity and
14 not another, you will create a domino effect which
15 allow more to shift from one entity to another,
16 which then if stranded costs are recovered causes
17 the rates to rise again, so it just perpetuates
18 itself. That is why those two are the most
19 critical issues.

20 That is all I have.

21 PRESIDING MEMBER GEESMAN: Tell me,
22 Stuart, realistically from your perspective, how
23 could you achieve those two objectives in any way
24 other than simply freezing the current system
25 creating a Berlin Wall between your customers and

1 the escape route and basically dividing up the
2 market as it currently stands today?

3 MR. HEMPHILL: A core and non-core with
4 the appropriate coming and going rules is
5 possible. I am not saying you will find it
6 anywhere across the country now, but I think there
7 are just a few key elements and probably a lot of
8 fighting between what the right approach is. You
9 know, what is the right level, how long is the
10 notice period, what are the consequences of coming
11 back. If all of those issues, and we spend a lot
12 of time in California trying to work them, I still
13 don't think we are there yet if what we are trying
14 to do is encourage new generation investment, but
15 those are the critical issues that we should be
16 focusing on.

17 PRESIDING MEMBER GEESMAN: What in your
18 judgement other than political aspects has kept us
19 from embracing that core/non-core model?

20 MR. HEMPHILL: I think it is a game of
21 chicken. I think it is if nobody wants to be the
22 one who is going after the investment because
23 whoever does is disadvantaged to those who don't.
24 That is the political consequences of being where
25 we are.

1 I am not saying we would necessarily
2 find that at the end of the day we would find an
3 acceptable solution to all of the issues, but that
4 is where California needs to lead.

5 PRESIDING MEMBER GEESMAN: Yeah. The
6 regulatory agencies have made motions in that
7 direction. I don't think we've gotten much
8 traction with the legislature, but it doesn't mean
9 we shouldn't keep trying.

10 MR. HEMPHILL: Still core and non-core
11 has not happened yet, it seems to be something
12 that pops us now and again, it is just the fact
13 that it pops up does continue the uncertainty in
14 the retail sector.

15 PRESIDING MEMBER GEESMAN: Okay, thanks
16 very much.

17 Hal.

18 MR. LA FLASH: Good afternoon,
19 Commissioners, my name is Hal La Flash, I do
20 resource planning at PG&E. I talked to Stu last
21 week and said, well, this is fun, we've got to do
22 this again sometime, but you guys really didn't
23 need to take us up quite that soon.

24 I don't have that much new to add.
25 We've heard a lot of things from this morning's

1 panel and this panel that I haven't heard a lot of
2 disagreement, I've heard some fine tuning about
3 certain ways that it would be enforced, but the
4 issue about resource adequacy, for example.

5 In fact, I think if you look at one of
6 the lead off questions was the 8,000 MWs. There
7 are 4,000 MWs actually are in construction, so I
8 think we have to look at those and give credit
9 too. Now that the Calpine projects are on line, I
10 think all of the remaining 4,000 MWs are all
11 utility sponsored, either owned or contracted.
12 That gets to those resource adequacy problem, that
13 it has got to be applied uniformly to everybody.
14 I think it has been mentioned several times, one
15 year at a time isn't going to work. You are not
16 going to get new steel in the ground on a one year
17 commitment, so it is going to take some type of
18 multi year commitment to do that.

19 The point that you asked Stu about why
20 is it the way it is in the retail market now,
21 everybody wants to be a free rider, and it is just
22 human nature. If they can get a deal and not have
23 to pay for it, they take that deal. At some
24 point, everybody has to be responsible for this.
25 It applies especially to the number we heard this

1 morning, 13 percent direct access. 15 to 17
2 percent reserve margin is fine if everybody
3 follows it. If it is only applied to the other 86
4 percent of it, it is not going to get you there.

5 As for that reserve margin, the question
6 was asked, does that accommodate one in ten, one
7 in two (indiscernible). It is meant to
8 accommodate hot weather conditions to the level it
9 is, and it will accommodate forced outages as long
10 as it is applied uniformly to everybody. One of
11 the other questions was about least cost/best fit.

12

13 Wayne already used my line about BRPU,
14 but to me, if you make least cost/best fit any
15 more formulaic, you risk making it into a BRPU. I
16 think least cost/best fit works best if the
17 utilities are allowed to use it to meet their
18 portfolio needs.

19 The question came up about the old
20 plants and whether there are keeping the new
21 plants from coming in. I think there is a big
22 difference between the capabilities and the costs
23 of the old plants versus the new plants. I think
24 the discussion this morning about the 20 percent
25 operating factor on the old plants, you are not

1 going to see a modern full cost combined cycle
2 operating at that level and surviving.

3 There is a role for the old plants, and
4 the old plants are especially needed given the
5 uncertainty of the retail market. They are an
6 option right now, and until that retail market is
7 settled, that is not an option people are going to
8 pursue rather than put out a lot of money for a
9 long term commitment on a brand new asset. You
10 can do some life extensions for much less on these
11 assets.

12 PRESIDING MEMBER GEESMAN: Yeah, but
13 they are currently being propped up in your
14 service territory by RMR contracts. Take away the
15 RMR contracts, and a lot of those plants retire
16 tomorrow.

17 MR. LA FLASH: There is an issue around
18 that. In fact, the plant that we just filed to
19 site is in an area that will probably relieve some
20 RMR contracts, but it will be a new plant, so
21 there is at some point in time new plants will
22 replace some of the old plants as they come in.
23 Somehow you have to keep the option out there.
24 Maybe those old plants that have taken off of RMR
25 pop right back for resource adequacy capacity

1 because they are going to be a cheap way of
2 providing that.

3 PRESIDING MEMBER GEESMAN: That might be
4 at a little more market related pricing than the
5 RMR contract allows for.

6 MR. LA FLASH: It would definitely be a
7 different price than the RMR is. We are doing
8 that now on the (discernible) deal that we have on
9 the Contra Costa and Pittsburgh units that we are
10 getting capacity value out of what is basically a
11 RMR contract.

12 There was a question about portfolio
13 diversity and should we be limiting the amount of
14 gas fired generation in our portfolio. I think
15 the portfolio is pretty well prescribed now in the
16 loading order. The loading order is a good thing,
17 and we believe in it, but you really need to have
18 the ability to run those gas plants to balance
19 that loading order as you are bringing in
20 renewables, especially intermittent renewables and
21 as you are changing your customer's load profile
22 with energy efficiency, you have to have the
23 plants that are out there that are available to
24 respond to that, and those are gas plants.

25 I was glad to hear a couple of parties

1 brought up the fact that rates need to be thought
2 about too because in all the questions as I was
3 going through them, I didn't see anything in there
4 where anybody was really asking about rate
5 impacts. That has to be an important
6 consideration too.

7 PRESIDING MEMBER GEESMAN: We rely on
8 our sister agency to rivet our attention on that,
9 but it is a good thing to point out because it
10 isn't one of the things that we traditionally put
11 at the top of our list of considerations.
12 Ultimately, it is one of the required litmus
13 tests, but we are not a rate setting agency, so it
14 is nothing that we prioritize, but I think you
15 make a good point there.

16 What do you think of Wayne's suggestion,
17 which I believe San Diego has made for several
18 years now that the ISO be given the task of
19 providing reliability services and using that
20 approach to avoid some of the free riding that
21 certain parties would like to engage in?

22 MR. LA FLASH: I don't know that we are
23 completely on board with the ISO doing it yet. We
24 do appreciate the need that somebody has to do it.
25 In fact, I'm surprised Stu didn't mention Edison's

1 filing, which I think we filed in support of.

2 We think that there probably needs to be
3 an ability for a party to opt out, to show that
4 they have provided their own resource adequacy,
5 but you need some type of back stop mechanism, if
6 not the ISO or the utilities, somebody that can
7 provide that.

8 PRESIDING MEMBER GEESMAN: When you
9 speak of Stuart's filing, you mean the structure
10 of their RFO?

11 MR. LA FLASH: I think that is what he
12 is talking about. I mean, the question that is
13 often raised a lot of times being in a utility,
14 people want us to do things always.

15 We are in a situation now where we have
16 115 percent of our own resources for 2005, and yet
17 the resource adequacy requirements aren't until
18 2006. We also recognize that people in this state
19 are concerned over supply reliability in Southern
20 California, and what we did was structure and RFO
21 for new generation so we would have new steel in
22 the ground. The question is for whom is this
23 being done. The answer is, well, this is the
24 Southern California issue that we are attempting
25 to solve, and so we went out for an RFO with a

1 structure where all in Southern California would
2 also pay for it, so I think that is what he was
3 talking about.

4 PRESIDING MEMBER GEESMAN: Contractually,
5 how does that work?

6 MR. LA FLASH: Contractually, we are the
7 counter party. Does that answer your question?

8 PRESIDING MEMBER GEESMAN: Not entirely.
9 Let's say I am an ESP within your service
10 territory, and I've been free riding. In fact, my
11 entire business strategy is based around
12 continuing to free ride, how are you going to tag
13 me for my proportionate share of that resource
14 adequacy?

15 MR. LA FLASH: What we have looked for
16 is a FERC tariff that would apply to the wires
17 because this is really a reliability issue that we
18 are dealing with, so it is part of the FERC
19 reliability tariffs, and that would apply to
20 everybody who takes service from the transmission
21 system.

22 That is the whole point of the cost
23 recovery mechanism that we proposed.

24 PRESIDING MEMBER GEESMAN: Okay.

25 MR. SAKARIAS: Commissioner, just let me

1 make it sort of clear I think. It is probably
2 clear already. If we acquire the resources we
3 need for our customers, we don't want somebody
4 else billing us for additional resources. Our
5 customers are already paying enough, so if
6 something like that went forward, they would have
7 to find somebody who is going to be paying for it,
8 but it is not going to be our customers.

9 MR. HEMPHILL: We are in exactly the
10 same situation. We have also procured
11 sufficiently for ours, but we are trying to step
12 up and make sure that people are comfortable with
13 the level of generating resources in Southern
14 California.

15 PRESIDING MEMBER GEESMAN: My
16 recollection is that your RFO is ostensibly on
17 behalf of all of the SP 15 region?

18 MR. HEMPHILL: Yes, that's the zone
19 where both CAL ISO and the CEC itself has said are
20 potentially short it.

21 PRESIDING MEMBER GEESMAN: How do you
22 deal with the situation where San Diego, for
23 example, may feel that they are already more than
24 adequately resourced?

25 MR. HEMPHILL: And so is SCE. What we

1 have done is we have put it in front of the Public
2 Utilities Commissions, and they are certainly
3 going to hear from everybody as to whether they
4 think it is appropriate or not. If the PUC
5 chooses for us to not go forward, we won't.
6 Again, we are just trying to assure that there are
7 sufficient resources in the SP 15 area.

8 We would be perfectly happy if San Diego
9 wanted to do this.

10 PRESIDING MEMBER GEESMAN: I think their
11 view is they've covered their own obligation.
12 They don't need your help.

13 MR. HEMPHILL: Exactly, and we are in
14 the same situation.

15 MR. SAKARIAS: We appreciate what they
16 are saying, but that is why we have proposed a way
17 of dealing with resource adequacy without seeing
18 if we can't bill all the other people who are
19 already resource adequate for the costs that
20 others should be responsible for. It helps to
21 evidence some of the flaws in the current PUC
22 resource adequacy approach.

23 MR. HEMPHILL: I don't disagree with
24 anything Wayne is saying.

25 PRESIDING MEMBER GEESMAN: It makes a

1 good point. I am not certain that it makes a
2 contract. Do you actually think real contracts
3 are going to come from this process?

4 MR. HEMPHILL: We've certainly received
5 quite a response. It is possible, it is
6 conceivable. The question is, if not us, who or
7 how is new generation going to be developed. If
8 we can come up with another solution, let's do
9 that one.

10 PRESIDING MEMBER GEESMAN: How do you
11 think that structure fits your service territory?

12 MR. HEMPHILL: I'm not sure I
13 understand.

14 MR. LA FLASH: He is asking me.

15 MR. HEMPHILL: Oh, I'm sorry.

16 PRESIDING MEMBER GEESMAN: I'm asking
17 Hal, and you've got a lot of muni's that I'm sure
18 would want to be heard from on the question.

19 MR. LA FLASH: I don't know that the
20 muni's are our biggest concern, although some of
21 the growing muni's might be another issue, but
22 some of the historic muni's tend to look after
23 their own. The new ones are another issue.

24 The issue I think is really more around
25 the direct access customers that like the fact

1 that they can get cheaper power now because they
2 don't have to go out there and make long term
3 commitments.

4 Fortunately, we are a little bit better
5 resource than Southern California is right now.
6 We've got a couple of more years to get it worked
7 out for us. It just highlights that the issue is
8 resource adequacy, and you are hearing different
9 ways to try to resolve the issue, but I don't
10 think that where we are going right now on the one
11 year resource adequacy is going to get you there
12 because it is not going to get any plants built.

13 PRESIDING MEMBER GEESMAN: How do you
14 see the resource adequacy process being used on a
15 multi-year basis. I mean, do you think that the
16 requirement will ever be framed as anything other
17 than a relatively short term requirement?

18 MR. LA FLASH: If you can require the
19 entity to prove that they have a one-year
20 contract, you should be able to require they can
21 prove they have a three year contract or whatever
22 the number of years is.

23 PRESIDING MEMBER GEESMAN: Take me to
24 the time horizon necessary to incent new
25 investment.

1 MR. LA FLASH: You need at least four
2 years for a new investment. In our resource
3 adequacy plans, we've talked about a five year
4 commitment, but we've got others, TURN and others,
5 and they talked about a three year commitment, but
6 the point is it has to be multi years because you
7 do need nominally four years to get a new
8 investment on line.

9 Those that are out there now that are in
10 the inventory can probably come faster because
11 they've got a lot of the permitting done or all
12 their permitting done. Generally speaking, you
13 need four years.

14 PRESIDING MEMBER GEESMAN: Do you think
15 the ESP business model is built around commitments
16 of that duration?

17 MR. LA FLASH: Not at present, no. I
18 have observed that is one of the things we thought
19 about why we wanted a centralized approach because
20 we realize there's transients going to be in the
21 retail suppliers, and it makes it a whole lot
22 easier for the comings and goings, you don't have
23 to worry about making a five or ten year
24 commitment when you really don't know how long you
25 are going to hold that customer.

1 PRESIDING MEMBER GEESMAN: You know, I
2 think even today, I think there is still a fair
3 amount of political significance attached to that
4 transient quality. I mean that is not quite akin
5 to a constitutional right of privacy, but it is
6 regarded as a valued aspect of the market. I
7 think there is still political support for that.
8 I know the regulatory agencies attach quite a bit
9 of significance to it. I think for the most part,
10 the legislature attaches a high significance as
11 well.

12 MR. LA FLASH: I think we have had a
13 record for a number of years as being in favor of
14 customer choice, but we just want it to be a
15 responsible choice.

16 PRESIDING MEMBER GEESMAN: Yeah.

17 MR. HEMPHILL: In a number of other
18 deregulated industries what small companies have
19 done is found that they can aggregate a service,
20 and we saw this in airline and some of the other
21 ones, warehouses, etc. There may be an
22 opportunity for aggregation on behalf of ESP's to
23 make sure that they are resource adequate as a way
24 of minimizing costs and still allowing the
25 transient capabilities you were describing.

1 PRESIDING MEMBER GEESMAN: Other
2 questions for this panel? Any comments or
3 questions from the audience?

4 (No response.)

5 PRESIDING MEMBER GEESMAN: I guess you
6 guys must have resolved everything to people's
7 satisfaction. Thank you very much.

8 MS. GRIFFIN: Panel 4. Having been at
9 the Music Circus last night, not only was I
10 reminded about the importance of a strong first
11 act finish, it is really important to finish
12 strong, so we brought in for our final panel some
13 of the people who are really on the cutting edge
14 of what happens when you have hybrid market that
15 has been through some difficult times and is
16 trying to get itself restructured and have some
17 effective business models. We will take it away
18 with this group, and if we could just go in the
19 order that you are listed on the agenda, that
20 would be great.

21 PRESIDING MEMBER GEESMAN: That makes
22 you first, Katie.

23 MS. KAPLAN: (Inaudible.) There is a
24 couple of issues we would like to touch on today,
25 specifically things that we think the Energy

1 Commission can do to help meet the goals and the
2 policies that have been set forth in the Joint
3 Agency Plan as well as just in market design on a
4 going forward basis.

5 The first thing is forecasting, and
6 while the Energy Commission has historically done
7 forecasting and has obviously engaged in the IEPR
8 which will feed directly into the procurement
9 policies of the Public Utilities Commission, it is
10 critical that when we are looking at forecasting
11 that we are looking at the realities of the real
12 time operations of the grid, and then trying to
13 back out long term forecasting from there.

14 Specifically, we've had concerns
15 previously that some of the longer term forecasts
16 have been a little bit idealistic as far as
17 including specific numbers regarding demand
18 response and some of the other goals, laudable
19 goals that the state has imposed.

20 What we would specifically suggest is
21 that there is a MOU or something like that entered
22 into by the Energy Commission as the lead agency,
23 but including the independent system operator when
24 formally including a role for the independent
25 system operator when specifically looking at

1 forecasting.

2 We are afraid that some forecasts come
3 out of the Energy Commission, they don't receive
4 some kind of reality check as far as real time is
5 concerned on a month ahead basis when utilities go
6 to make their showing or all the (indiscernible)
7 go to make their showing. We get concerned that
8 if there is not like a "gut check" if you will, is
9 this really right, so in measuring deliverability
10 and all of that kind of thing that we could have
11 problems. We would encourage there to be some
12 kind of a MOU, again, with the Energy Commission
13 as the lead agency, but just really a formalized
14 role for the ISO in forecasting and feeding that
15 into the PUC process.

16 PRESIDING MEMBER GEESMAN: I think that
17 is a good idea. I will say in my judgement, we
18 had a real hard time adapting what are pretty old
19 and arguably antiquated tools in our forecasting
20 process to meet more modern needs of our current
21 market structure and better integrating the ISO
22 into that process and better altering our tools to
23 better meet the needs of the ISO is a high
24 priority.

25 Commissioner Boyd and I both attempted

1 to articulate that a year and a half ago when we
2 started this particular cycle for a variety of
3 reasons, most of which seem inexplicable to me to
4 this day. We've not made more progress on it. I
5 think we need to geographically disaggregate our
6 forecast which the ISO has requested that we do.
7 I think we need to try and get on the same page
8 with respect to the methodologies that each of us
9 use.

10 I think we also need to distinguish
11 between the end use engineering model that this
12 Commission places great reliance on and which is
13 best calibrated to a ten year time horizon. The
14 shorter term forecasts which the utilities utilize
15 largely for revenue forecasting purposes. It is
16 not clear to me exactly what the ISO uses as a
17 short term methodology, but I think we need to
18 distinguish that if they are each hammers, they
19 are hammers of different dimensions and intended
20 for different uses. We tend to blend those and
21 blur their distinctions. As a consequence, I think
22 there is a high temptation to either misuse it or
23 misinterpret them.

24 I don't know if you were at our demand
25 forecast hearing over at CAL EPA last week, but

1 this discussion of which conservation programs to
2 include in the ten year forecast came up.
3 Interestingly, our staff and the utilities
4 appeared to be on different ends of the spectrum.
5 With our staff being inclined not to include
6 energy efficiency programs that had not already
7 been approved by the CPUC, and the utilities being
8 of the view that because of the loading order and
9 because of the emphasis which state policy places
10 on efficiency programs, they ought to be included
11 throughout the forecast period.

12 So, the issue you raise is in front of
13 us, and it is one that we will address in our
14 report this fall.

15 MS. KAPLAN: It is very important that
16 we are doing a look back as well, meaning that if
17 the forecast is off significantly and utilities
18 are procuring based on that forecast, we are the
19 ones, our members are the ones that are caught in
20 the middle because if utilities are procuring to
21 an Energy Commission forecast and it is not right,
22 and the ISO is saying that there is a different
23 number or they are looking for a different set or
24 types of units, then we are caught in the middle.

25 Ultimately, we are responsible to the

1 ISO for keeping the lights on. Nobody looks back
2 to say, oh well, who cares if the forecast was
3 right or not. Everyone cares if their lights stay
4 on.

5 We think a MOU-type of approach where
6 they have a formalized role in everything from a -
7 - the Energy Commission should have a more
8 formalized role in some of the month ahead or day
9 ahead forecasting that the ISO has. One common
10 methodology that if it is Commissioner Geesman or
11 President Peevey, whoever, can pick up the phone
12 and say, okay, that's what the forecast is, and
13 everyone agrees on it. It does no good to have
14 three or four different forecasts.

15 The second thing I wanted to touch on is
16 regarding the 15 to 17 percent reserve margin.
17 While that number has been adopted and we've been
18 working actively within the resource adequacy
19 paradigm as well as within the IEPR process, to
20 answer the questions directly about is it enough.
21 Well, it depends on what you allow to count to
22 meet that 15 to 17 percent requirement.

23 If you let a bunch of non-deliverable
24 contracts count to meet that requirement as the
25 PUC is considering, and you rely on a must offer

1 obligation that provides you 3,000 MWs plus in
2 Southern California from here to 2008 or beyond,
3 then, no, it is probably not enough because
4 inherently you are procuring more by allowing
5 these non-deliverable contracts to count.

6 PRESIDING MEMBER GEESMAN: Now the ISO
7 issued a report here a couple of months ago that
8 suggested that at least for now all in-state
9 resources could be considered to be deliverable.
10 Do you have a bone to pick with that conclusion?

11 MS. KAPLAN: We definitely do. Here's
12 the thing. Is it physically deliverable which I
13 think they've been really careful to say. They
14 may be electrically deliverable. They don't have
15 contracts. There is over 6,000 MWs that don't
16 have any contracts, any financial obligation, so
17 guess what? They are deliverable to Arizona, they
18 are deliverable to Nevada, they are deliverable to
19 LADWP, they are deliverable all over the place.
20 You know, they are not just deliverable to meet
21 the requirements in the ISO's footprints. As long
22 as we allow folks to say, oh yeah, we are 15 to 17
23 percent resource adequate, but we are going to be
24 utilizing these resources that are undeliverable,
25 then it is not enough to keep the lights on.

1 I would suggest that if folks do say
2 they are 15 to 17 percent resource adequate, then
3 they don't need RMR, and they don't need the must
4 offer obligation, and the ISO shouldn't be in any
5 kind of a procurement role. So, you can't have
6 both.

7 PRESIDING MEMBER GEESMAN: Do you think
8 a liquidated damages contract is deliverable?

9 MS. KAPLAN: No.

10 PRESIDING MEMBER GEESMAN: What would
11 you do with those going forward?

12 MS. KAPLAN: I think on a going forward
13 basis, there needs to be a firm statement that
14 they will not count to meet a resource adequacy
15 requirement.

16 PRESIDING MEMBER GEESMAN: That is a
17 pretty wrenching change, isn't it?

18 MS. KAPLAN: To the extent that --
19 basically, what you will have to do as regulators
20 is say to the extent these contracts will count
21 because they were entered into prior to people
22 knowing what the rules of the road were, etc. I
23 mean that is probably a reasonable direction to
24 go, but you also have to recognize that there has
25 to be a back stop role in there. If you allow LD

1 contracts to count, you've got to have some kind
2 of a capacity back stop to allow the units that
3 don't have resource adequacy contracts to be
4 compensated for the reliability services they
5 provide.

6 Our position is that no new LD contracts
7 should count under any circumstances to meet a
8 capacity requirement. They are energy contracts,
9 they are important, they have an important role in
10 the market for energy hedging, but they aren't
11 capacity. They don't get new plants built. If we
12 are really trying to make the state resource
13 adequate, you can't let them count.

14 PRESIDING MEMBER GEESMAN: What would
15 you do with the old contracts, cold turkey or
16 transition, or --

17 MS. KAPLAN: I think there are two ways
18 you can go. It is not politically feasible to go
19 cold turkey, right, but you do have to recognize
20 that if you do allow them to count, then you have
21 to have a back stop role. You have to have some
22 kind of back stop contract, IEP's proposed day,
23 reliability tariff type of approach that the ISO
24 would utilize which would take the ISO out of the
25 contracting role, and it would just be a tariff

1 rate if they call a must offer unit. So, it
2 eliminates the RMR type of continuing to rely on
3 the RMR. It would be a tariff component that
4 would just transition until you get the local
5 requirements that are implemented.

6 Those are all things that they have to
7 merge together. This whole notion that you can
8 count LD's to meet this 15 percent requirement and
9 not have any kind of back stop and still rely on
10 6,000 MWs in Southern California that don't have
11 any kind of compensation is ludicrous, and it
12 won't keep the lights on.

13 If policy makers decide to take that
14 direction, they have to also recognize that you
15 have to compensate existing resources and new
16 resources for the reliability service they are
17 providing.

18 Lastly, I think, you know, when you talk
19 about the 8,000 MW that are permitted that have
20 not been built, one of the things that we would
21 suggest, and you've probably heard this before, is
22 a consideration of not allowing the permits to
23 specifically expire, to have a hearing at the end
24 of -- if a permit were to expire, to have a
25 hearing or set up a procedure where you would have

1 a hearing to determine whether or not the permit
2 should expire or not.

3 If there is new information that comes
4 to light, perhaps you require them to go through
5 part of the permitting process again or something
6 like that, but they shouldn't just expire out
7 right, and perhaps that would be one way to allow
8 more plants to be built once market conditions
9 sort of stabilize.

10 That is the last thing, and I look
11 forward to your questions. Thanks.

12 PRESIDING MEMBER GEESMAN: Thank you.
13 Bob.

14 MR. ANDERSON: Good afternoon, my name
15 is Bob Anderson. I work for APS Energy Services.
16 We are ESP, and I can clearly talk about our
17 business model whenever anybody wants to do that.

18 I'll start by just describing who we are
19 because we don't normally get a lot of press. We
20 are the only last standing ESP that was here on
21 April 1, 1998 that hasn't either been sold twice
22 or changed their management and their name.

23 So, in these discussions about what
24 works, what doesn't, responsibilities, things like
25 that, we do have some things to say.

1 As far as me personally, my position in
2 the company is I am responsible for all 20
3 business processes it takes to sign customers up,
4 serve them, manage the risk around them, build
5 them, settle with the ISO, and handle any kind of
6 contractual issues, both wholesale and retail.

7 We've been doing this now -- I've
8 personally been doing this for eight years. I've
9 seen the energy crisis, I've seen both sides, the
10 generation side, the LSE side, what happens when
11 there are distortions in risk management that
12 causes major shifts in the market. We have a lot
13 of experience that way.

14 Today what I wanted to talk about
15 briefly before I respond to some of the Panel 3
16 comments, our perspective right now is that
17 California is trying to solve a three simultaneous
18 equations at once. One representing production,
19 one representing delivery, and one representing
20 customer usage.

21 We are not doing a very good job of the
22 integrated nature of looking at the variables in
23 each of these equations. We are doing a lot of
24 work in discreet areas, renewables, resource
25 adequacy, things like this, but nobody is actually

1 trying to find a solution for all three equations,
2 and we do believe that there is one out there.

3 One of the first things we would like to
4 suggest that would be a solution is an ability to
5 draw back from the peak load situation and hoping
6 that new generation will be built to meet the
7 peaking elements of your load across the year.
8 There has got to be a way to be able to reduce and
9 peak shape that, and we believe that 2000/2001
10 taught us some very significant lessons, one of
11 them was that the residential customers are
12 absolutely part of the solution.

13 The 20/20 program had huge success,
14 probably one of the best things that happened to
15 us.

16 PRESIDING MEMBER GEESMAN: It wasn't
17 peak oriented.

18 MR. ANDERSON: You can argue that it is
19 not tied directly to critical peak, but the
20 residential load shape absolutely affects us
21 during the on-peak and the critical peak hours.
22 We can get into a discussion about whether or not
23 it can be gained by residential customers for that
24 program, but I am sure that would be another
25 discussion.

1 The combination solution that we are
2 talking about is getting farther into and on the
3 edge of the comfort zone from the regulatory
4 process in making aggressive entries into the
5 20/20 program. In fact, going so far as to
6 attempt something that might be on the order of a
7 40/20 program.

8 Now where we are coming from with some
9 of these solutions is a simple fact that when you
10 look at the price signals from the load, you have
11 customers that were shown a bid to reduce their
12 load in the 2003 demand response program at the
13 ISO that had 20,000 MW month option payments and
14 \$500 MWh energy payments.

15 We had one customer that joined that.
16 It was the very first customer that joined it with
17 the ISO. Customers were not biting on that. On
18 the other side of the coin, you have customers on
19 a punitive perspective that we've shown thoughts
20 of going to a critical peak pricing situation
21 where we are tag them for \$250, \$500, or \$1,000 a
22 MWh. In our residential rates, we have base line
23 ratchets that go anywhere from \$200 to \$260
24 depending on where you are, 100 to 130, and
25 between 130 to 200 percent as you go forward.

1 Clearly to us, the commercial and
2 industrial customers, their offer to reduce is not
3 at the price that people are willing to pay. In
4 fact, it is probably at twice what the current
5 wholesale price cap is at. That is a completely
6 distorted view.

7 On the residential side, I don't believe
8 we've done enough to pay for their opportunity,
9 and I think we get great success again like we did
10 in 2000. If we were to achieve that, one thing
11 that happens immediately is you do peak shave, you
12 take yourself away from the brink, and you can
13 connect that directly to lifting the price cap.

14 You can tie it to \$100 increments and
15 say that if I get 4 percent reduction a load the
16 summer of 2005 from a beefed up 20/20 program, as
17 we go through the fall, we are going to go through
18 an advice letter process, and we will create a way
19 to lift that price cap and give generation a
20 signal because we are not feeling like we have no
21 say in this. Load is actually coming to the
22 table.

23 That part of the solution can be visited
24 again when we get to local area reliability.

25 PRESIDING MEMBER GEESMAN: Do you need

1 advanced metering technology?

2 MR. ANDERSON: No, no. The 20/20
3 program -- the beauty of one of the things from
4 the 2000/2001 program that will lead us to the
5 local area reliability discussion is the outage
6 areas.

7 The work that was done to map the outage
8 areas, the rotating outage areas across the UDC's
9 can easily be used to give us a geographical
10 demand response program, and we could easily
11 change the price signals dependent on where you
12 have local area reliability problems, so there is
13 a very real tool here.

14 The third component of this getting to
15 the delivery phase, we absolutely believe that
16 some of these new transmission projects that have
17 been approved recently, and the ones to come, we
18 need to aggressively push on the transmission
19 engineers and look at new technology. The new
20 composite power lines that are produced by 3M and
21 a few other companies, they've already been tested
22 by the Oakridge Labs for four years in multiple
23 areas. They are in place in WAPA's territory and
24 EXCEL's territory. We need to push harder on
25 that.

1 It is amazing to us. We think it is
2 revolutionary that you can have transmission that
3 have 300 percent capacity compared with what we
4 have today and the metallurgic issues. You are
5 changing from pure aluminum wraps around a steel
6 cable to aluminum zirconium which we all know the
7 metallurgy around that with our nuclear power
8 plants.

9 You wrap that around a fiber, ceramic
10 fiber, that should be looked at more aggressively.
11 If we did those three things when we get back to
12 the local area of reliability discussion, we are
13 armed now with a couple of different things beyond
14 just this notion of going and getting 15 to 17
15 percent for one year. I absolutely agree that
16 resource adequacy has to be dealt with. We
17 believe the core and non-core market will work
18 very affectively in California.

19 I am at a loss to understand why people
20 don't see the core and un-core in gas in the same
21 light that they do potentially electricity. If we
22 go down this road, resource adequacy clearly does
23 have to be dealt with.

24 The 15 to 17 percent for one year does
25 not give a signal to new generation. What it can

1 do is do the same thing that RMR does, and that is
2 make sure the generation we have right now stay
3 here, that they are still in there. That is vital
4 for us to do too.

5 From a load serving entity perspective,
6 there isn't -- I am really getting weary of these
7 insinuations that energy service providers don't
8 understand reliability and that they are trying to
9 shirk their responsibilities. As a matter of
10 fact, the only LSE I'm aware of that has gotten a
11 direct communication from the CAL ISO when it
12 comes to deliverability and resource adequacy was
13 certainly not an ESP.

14 This issue, we can work on this
15 together. I think the time has come for that,
16 these issues about core and non-core, about
17 generators versus LSE's, we need to get beyond
18 this. This solution takes everybody -- there is a
19 solution to these simultaneous equations. It is
20 lifting the price cap. It is understanding that
21 we need the units that we have today.

22 It is not going to serve our purposes, a
23 load serving entity to know that the generation
24 people are getting weaker by the year.

25 I can't deal with non-credit worthy

1 counter parties. When we get into that whole
2 discussion about liquidated damage contracts,
3 buying unit contingent transmission contingent
4 contracts from a non-credit worthy counter party
5 is not what my risk management processes would
6 allow. That is, again, I am not going to get into
7 that discussion right now.

8 There is just an immense opportunity
9 here. There is a lot of baggage, I understand
10 that. The RMR contracts, everybody has their own
11 view. The ISO would tell you they are terribly
12 expensive. The generators would say, you know
13 what, we've been ripped off so many times that we
14 are just not interested in getting involved in
15 this. We've got to get beyond that.

16 As far as ESP's and the business
17 model --

18 PRESIDING MEMBER GEESMAN: Let me say on
19 the RMR's, it is my impression that the ISO, the
20 CPUC, and FERC have all been quite vehement about
21 their desire to move away from the RMR contracts.

22 MR. ANDERSON: If we want to move away
23 from the RMR contracts and create something
24 different, that is a great segue back into the
25 centralized discussion that San Diego Gas and

1 Electric brought up briefly. I am in total
2 agreement with that too.

3 The point that the representative from
4 Southern California Edison made about fair and
5 equal treatment when it comes to things. My
6 opinion fair and equal is they don't work together
7 when it comes to ESP's and large LSE's. Fair is
8 not necessarily equally loading down in a
9 situation where the other counter party has no
10 ability to sign ten year deals. However, the ISO
11 would facilitate the middle ground in that
12 situation.

13 Your question about whether or not the
14 ISO can really handle something like this given
15 the current situation in budgets and other things,
16 I would just say that the seven years of operating
17 history that we have and pricing transparency from
18 the operating reserves market at the ISO has been
19 excellent for us for two different reasons.

20 One, handling my portfolio,
21 understanding relationships between ancillary
22 service costs and this area versus let's say FERC
23 cost based tariff rates, which by the way always
24 are higher than what we have seen at the ISO.

25 The additional work for the ISO to

1 procure let's say another 8 percent reserves to
2 meet this planning reserves and do it in two to
3 three to four year terms is absolutely within
4 their realm.

5 PRESIDING MEMBER GEESMAN: Yeah, I
6 looked at the experience a year ago, fourteen
7 months ago I guess is when it started between the
8 ISO and that LSE down in Rosemeade that I think
9 you were referring to on deliverability questions.

10 MR. ANDERSON: I never said that.

11 PRESIDING MEMBER GEESMAN: I thought I
12 smelled that. On deliverability questions, and I
13 saw the ISO shed what I regard as a fairly
14 critical responsibility and attempt with the
15 CPUC's encouragement to put that responsibility on
16 the LSE's shoulders. I think that is probably a
17 demonstrably inferior solution.

18 In our report last year pointed out that
19 there were some real questions as to how workable
20 that would prove to be. I don't think it has
21 proven to be particularly workable thus far, but
22 the important take away I gain from that was the
23 ISO was in a service shedding mode or a
24 responsibility shedding mode and not looking for
25 new tasks to take on.

1 MR. ANDERSON: I would completely agree
2 with that. I would say that they have been under
3 achieving for quite some time. We have high
4 expectations of what they can really do if given
5 the task. I think a distraction that I am quite
6 frankly at a loss to understand is given what
7 you've just said why on earth would we be spending
8 man hours to create a day ahead market in a
9 situation where we are talking about 15 to 17
10 percent planning reserves where we already review
11 the 2004 DMA report that says they've been decking
12 things for a year.

13 Who is it that is going to be in this
14 marketplace? I am at a loss to that with the
15 exception of saying I would like to work for BPA
16 Nevada Power and any surrounding area with the ISO
17 if we put this in place because that is absolutely
18 going to be what it is.

19 Reassigning some tasks and things like
20 that I think would be very timely right now.

21 PRESIDING MEMBER GEESMAN: I think as
22 the gentleman sitting next to you would tell you
23 probably in private, there is probably some
24 remorse over our having killed a perfectly
25 workable day ahead market several years ago. It

1 is a long memory that has produced the desire, I
2 think particular on FERC's part to develop a day
3 ahead market again that is perceived by many as a
4 necessary element for a successfully functioning
5 market going forward.

6 MR. ANDERSON: The day ahead market -- I
7 traded the day ahead market in 1993 back in the
8 time when if I tried to bring something from BPA
9 down to Arizona and went to buy transmission, it
10 was conveniently priced a quarter higher than what
11 it was going to cost me to buy it from the person
12 in between.

13 Ever since then, we have had a day ahead
14 market. Now is it transparent like the California
15 Power Exchange market? No. Can you look at Dow
16 Jones Index as things like this and find the
17 activity? Yes, you can. The idea where we are
18 heading with local area reliability and with
19 resource adequacy where we are talking about bi-
20 lateral deals between counter parties, the
21 transparency is completely lost on those, which is
22 to us when I came this morning -- I flew in this
23 morning on a plane. The four things that I was
24 going to suggest that we as energy service
25 providers desperately need from the wholesale

1 market, we need transparency. That is the first
2 thing that we need, and that is the one thing in
3 the operating reserve market, the CAL ISO does an
4 excellent job at.

5 We applaud all of the factors when it
6 comes to transparency at the ISO. The second
7 thing and very close is liquidity. We need the
8 liquidity, we need credit worthy counterparts.
9 The other thing I need in the wholesale market to
10 actively work as an area service provider is
11 product variety. I need ability for someone like
12 Goldman Sachs, Morgan Stanley, others to make a
13 market for options, daily options, monthly
14 options, things like this.

15 If we go to the realm of locking up four
16 year deals to prove resource adequacy, I can't
17 even imagine managing a portfolio where somebody
18 is telling me I'm going to buy 115 percent of what
19 I need four years out. How does that even work?

20 Yet, I understand the need to show a
21 signal to the market which the ISO I believe can
22 easily do. The operating reserves -- the issue
23 back to energy service providers free riding, last
24 year on the peak hour, my portfolio was 98.3
25 percent accurate in terms of what I scheduled for

1 what I used.

2 The ISO procured the operating reserves
3 as they always do for me at 9 percent. Magically,
4 that came out at exactly 7 percent operating
5 reserves on that peak hour of the day of the year
6 for my portfolio. It worked then, and it is going
7 to continue to work, but we are getting
8 distracted. People are pointing fingers too much,
9 we are looking at things -- you know, if I pay
10 \$4.50 a KW a month or \$8.00 a KW month to a
11 generator for a resource adequacy product to meet
12 my 15 to 17 percent, is that really a price signal
13 that anybody in the investment community is going
14 to look at? No, that is a \$1.50 MWh on a \$70 MWh
15 price. It is not enough.

16 If I need to do a fair contract with
17 generators to make sure that they stay here in
18 this situation that we are in right now, we are
19 ready to do that. We just don't want to be
20 leveraged into a position where I have locational
21 market power being used against me by a generator
22 or on the resource adequacy side, (indiscernible)
23 buying power by another competitive LSE that
24 hammers me in a geography I can do nothing with.

25 As far as the business model because I

1 don't want to spend more of your time here, the
2 business model as far as energy service provider,
3 our business model, is not the enemy of a large
4 LSE. We do something radically different from
5 what they do.

6 In 1997, I gave a presentation to a
7 large chip manufacturer SG Micro Electronics in
8 Rancho Bernardo. We talked about triggers, we
9 talked about indexing products, we talked about
10 base load products, things like that. At that
11 time, that customer had no comprehension of what I
12 was talking about.

13 Two weeks ago I got a call from a
14 customer that said I want 25 percent of my load
15 indexed. I want 50 percent of it bought for the
16 next three quarters and the remainder we will do
17 day ahead. There was isn't any riding on the ISO
18 or anything like that. The sophistication of the
19 customer has exceeded our expectations even though
20 it has been a long run, and we are seven years
21 into this.

22 At the same time, the issue about three
23 and four years and what does a direct access ESP
24 type bring to the market place, if we had the core
25 and non-core market so we did not have the

1 regulatory uncertainty hanging over direct access
2 customers, we would have three and four year
3 contracts signed.

4 You would start seeing stability, but it
5 is the chicken and the egg. It is the same old
6 thing, but these customers -- when we say direct
7 access, in 1996 direct access meant that we bring
8 customers to the wholesale market. We give them
9 access out there. Today in 2005, the meaning of
10 the words direct access to us is that we have a
11 direct relationship with customers that we
12 actually can go into the load base and either
13 bring communications or get information back
14 instead of the aggregate bubble which does not
15 give you that ability.

16 A specific point there, one large
17 customer that is in the defense industry called me
18 recently and said what are we going to do with
19 resource adequacy? So, we had a discussion
20 specific to potential charge types within the ISO.
21 This is a customer talking about this. What we
22 got to was if they plan on making any new
23 facilities, where should they put them so they
24 don't cause the problem or amplify charges.

25 Now all of the sudden instead of the old

1 paradigm, you have customers, whether they are
2 residential in the first example of 20/20 or CNI
3 customers on direct access at a knowledge level
4 you could never have attained in the previous
5 days. The value of direct access from that
6 perspective for a regulator, you have a direct
7 conduit.

8 I live in a small town. In our town,
9 you have emergency response operations. You
10 don't have a huge system to do that. People call
11 other people and you have the old fashioned phone
12 tree. You have that at your disposal any day you
13 want, and that is not something we've had before.
14 It is the same as the canary testing the coal
15 mine. If you see me dying, you don't want to go
16 in that cave.

17 PRESIDING MEMBER GEESMAN: Thanks very
18 much, Bob. Fred.

19 MR. BUCKMAN: I'm Fred Buckman, the
20 Chairman of Trans-Elect, and thank you very much
21 for inviting me to be here.

22 Before my experience with Trans-Elect
23 which goes back to about 1999, I spent about five
24 years as the President and CEO of Pacific Corp,
25 and before that, about six years as the President

1 and CEO of Consumers Energy in Michigan.

2 While most of my comments will deal with
3 the transmission issues today, feel free to ask
4 questions of any way that you can use a
5 perspective I have as someone who has been in the
6 utility industry for a long time.

7 I was unable to hear the comments
8 earlier today, but in listening to the comments of
9 the panel today, I think there is a fair amount of
10 sympathy amongst the people here in terms of how
11 they see the questions that you are asking and how
12 they would respond. I have a couple of fairly
13 direct comments, and then I too would be happy to
14 answer any questions that you have.

15 I notice in your questions on
16 generation, there is a fair amount of attention
17 paid to having access to new technology. I did
18 not see that same level of emphasis in the
19 transmission sector, but would point out in terms
20 of the value of new technology, in terms of
21 enhancing capacity in being able to go underground
22 and being able to direct flows, there has been
23 dramatic improvement made in the last decade.
24 That if for no other reason than to gain access to
25 new technology, substantial investment in

1 transmission would be worthwhile in this state and
2 in the West.

3 I would observe that the impact of what
4 you are doing while you are focused on California,
5 as someone who lives in Oregon, works in
6 Washington D.C., and is involved with transmission
7 systems around the country, what you are doing has
8 impact far beyond the borders of California. I
9 would say at least the entire western
10 interconnect. So, getting answers to the
11 questions do we have problems, and if so, what do
12 we do about them is something that is very
13 important, and I think it is worthwhile for people
14 like me to be engaged and to work with you and try
15 to sort this out.

16 You heard several people speak to the
17 issue of 15 to 17 percent reserve margin. From my
18 perspective, that is a question which cannot be
19 answered in isolation. First of all, I have lived
20 through oil embargoes, mine worker strikes, rail
21 strikes, nuclear plant shut downs as the result of
22 safety issues that were industry wide, and I can
23 say that while today's attention on diversity is
24 attention which is placed upon the high price of
25 natural gas and perhaps to some extent the

1 availability of natural gas, it will be a
2 different problem. I don't know what it will be.

3 The question around reserve margin is
4 one that has to be put into perspective of how
5 much diversity do you really have. I would say
6 that the more diversity you have, perhaps the
7 lower you can go on reserve margins. The less
8 diversity you have, the more comfort you will get
9 in higher reserve margins.

10 The same can be said for transmission.
11 To some extent, transmission and generation are
12 interchangeable. In a transmission rich
13 environment, I would be comfortable with a lower
14 reserve margin than I would in a transmission poor
15 environment.

16 I would characterize California as a
17 transmission poor environment, and so my bias,
18 both from a diversity perspective and from a
19 transmission perspective, would be that more
20 reserve rather than less reserve is something that
21 will be suitable, not just to meet the needs of
22 2005. I heard the tail end of the last panel, I
23 heard people talk about the adequacy of their
24 resources for 2005, but as we know from a planning
25 perspective, it is not really 2005 that we are

1 worried about. It is how do things stack up over
2 the next dozen years because the planning horizon
3 for the kinds of infrastructure we are talking
4 about are things like what we did for 2005 was
5 done five or ten years ago.

6 It is what we are doing for the next
7 decade and for the next generation that is really
8 important. I am concerned about that. I'm
9 concerned that this state is transmission poor and
10 that it is difficult to build transmission in
11 California.

12 Trans-Elect was an important part in
13 building the upgrade to Path 15, something that I
14 think from our perspective was very successful.
15 We had great support here in California. We had
16 great support nationwide. We were able to do it
17 quickly. We were able to do it under budget, and
18 it has performed to at least everybody's
19 expectations and I think above many people's
20 expectations.

21 It was a project that we joined in after
22 it had already been on the books, in the works,
23 trying to get done for somebody else by somebody
24 else since I was a child. That is just
25 unacceptable.

1 I have been searching for kind of what
2 is it that I would like to see here. What I would
3 like to see is an environment when transmission
4 projects are proposed, they are accepted. There
5 ought not to be in this environment a lot of
6 discussion about whether a project is needed.
7 They are all needed. In fact, if there are two
8 competing projects for the same service, build
9 them both, and then build a third just to be sure
10 because in this state you can build transmission
11 for a long time before you have to worry about
12 whether or not you have too much.

13 Transmission investment represents a
14 small part of the total energy infrastructure in
15 this state. My guess would be about 10 percent.

16 PRESIDING MEMBER GEESMAN: Would you
17 believe 5?

18 MR. BUCKMAN: I would believe 5. If you
19 look at the amount of the bill that is devoted to
20 paying for transmission, I would believe 1
21 percent. It doesn't make much difference whether
22 you get it right regarding who exactly pays and
23 how much exactly they pay for each mile of line
24 that needs to be built.

25 Let's get it built. Let's create an

1 environment where we worry for awhile about
2 getting built what needs to be built and trust
3 that we can sort out the secondary issues as time
4 goes on. That is what I think this state needs.
5 It would be a terrific addition to the entire west
6 if this state could find itself in that situation,
7 and we would like to do anything we can to help.

8 PRESIDING MEMBER GEESMAN: I wish I knew
9 where to start. I think that we may be in the
10 course of proving ourselves constitutionally
11 incapable, and I use that term constitutionally
12 advisedly of getting a good handle on this.

13 Your comments reflect I think a general
14 consensus among most of the stakeholders that have
15 looked at this. There are a few outliers, but I
16 think that most of those that have looked at this
17 question in recent years agree we are transmission
18 poor environment. Our analytic process fails to
19 capture more than a small fraction of the benefits
20 associated with additional transmission
21 investment.

22 We are a rapidly growing state,
23 currently about 35 million in population headed to
24 50 million over the course of the next 20 years.
25 They are not making any more land. Projects are

1 going to be easier to site today than it will be
2 ten years from now, but we have despite several
3 efforts in trying to figure out how to get on with
4 it, not yet been successful.

5 MR. BUCKMAN: The 50 million people that
6 you have in 20 years will each use more energy
7 than the 35 million that you have today.

8 PRESIDING MEMBER GEESMAN: Yes. Our
9 model for forecasting demand associates growth in
10 electricity demand with growth in personal income.
11 We intend to grow personal income.

12 The challenges that we face are
13 primarily institutional and political, and we need
14 the assistance. I think the engaged assistance.
15 I think there has been a lack of engagement in
16 some corners. We need the assistance of all of
17 the range of California stakeholders to try and
18 force government to better deal with this.

19 You were generous in the way you
20 described the support you got on the Trans-Elect
21 project. It wasn't universal support. There were
22 some pockets of resistance.

23 MR. BUCKMAN: I think one of the things
24 that an independent transmission company provides
25 is the ability to deal with those pockets of

1 resistance in a way which is far different from
2 those people who have a lifetime of relationships
3 that color the issues.

4 We were able to come in without maybe
5 some of the advantage of those relationships, but
6 also without the baggage that goes with them. I
7 would like to think we were helpful in getting to
8 solutions that made sense for all or most of the
9 stakeholders. It was not my intent to be
10 generous. It was my intent to say that compared
11 to the reputation that California has for being a
12 very difficult place for energy companies to do
13 business, we did not find it nearly as difficult
14 as we thought it would be.

15 It wasn't as though we didn't have
16 problems, but they were problems that were
17 surmountable, they were problems that were able to
18 be dealt with, sort of in the ordinary course of
19 business.

20 One thing I might mention in looking at
21 the questions, there was a question about whether
22 or not the IOU's have invested enough into
23 transmission over the last some period of time.
24 IOU's don't' make the investment in transmission,
25 California makes the investment in transmission.

1 As I looked at that question, I thought to myself
2 here is a kernel of what the problem is. There is
3 a perhaps unintended search for the guilty.

4 You know, the IOU is but one part of the
5 equation that gets transmission built. They happen
6 to be the tip of the spear. It takes everybody to
7 get it built, and you know, if your house was
8 burning down, and you called the fire department,
9 you wouldn't spend a lot of time on the phone
10 trying to tell them what the most direct route was
11 to get to your house. You would say my house is
12 burning down, get here fast and put it out.

13 My sense is that there is an almost
14 urgent need to spend time getting things perfectly
15 in California and perhaps it is a constitutional
16 necessity. While I am not ready to say the house
17 is burning down, I smell smoke. If I were closer
18 to it, I would probably conclude that it was
19 burning down.

20 PRESIDING MEMBER GEESMAN: Let me ask
21 you a couple of questions. One on the technology
22 side, do you think that the IOU's are likely to be
23 early adopters of the more advanced transmission
24 technologies. I say that as an example, we do
25 have a proposed independently owned line, a D.C.

1 line between the City of Pittsburgh and the City
2 of San Francisco, a corridor that most people
3 would tell you meets a fairly urgent need on the
4 San Francisco Peninsula.

5 I should add in a parallel to your
6 experience, not being generous right now, the PUC
7 staff has recommended asserting jurisdiction over
8 that project and opposing the financing
9 arrangements at FERC, but that probably won't be
10 anymore affective than the same staff was at
11 trying to block your project. That is an
12 independent sponsor adapting an advanced
13 technology. In a regulated IOU's backyard, the
14 opportunity has been there for years and years and
15 years, but the utility sector didn't identify it,
16 didn't pursue it.

17 MR. BUCKMAN: That is a good question.
18 It is a little difficult to answer. From a
19 utility perspective, there is not much reward for
20 taking risk. Some of the new technology that we
21 are talking about is technology which is not as
22 well proven as that stuff which has been around
23 for a generation.

24 Whether it is true or not, there is the
25 perception that there is a bit more fairness and

1 understanding at the federal regulatory level than
2 there is at the state regulatory level. I am not
3 pointing fingers at California because I would say
4 that is true at virtually every one of the 50
5 states.

6 So, from that perspective, it is
7 probably easier for an independent transmission
8 company that is expecting FERC regulation to step
9 out and propose something that has some technology
10 risk to it than there is an IOU.

11 I can tell you that we've had a lot of
12 discussions with IOU's, much of it in California,
13 about doing joint projects in which we would apply
14 new technology. It is not one of those things
15 that I would be particularly worried about. I
16 think that if there is a good application for
17 undergrounding or for high voltage DC or for
18 ceramic cables or for super conducting cables or
19 things of that nature, I think the utilities might
20 be what I would say is appropriately conservative,
21 but I don't think they will be unreasonable in
22 their willingness to take that on.

23 PRESIDING MEMBER GEESMAN: What would
24 you think, though, of the response by the rate
25 regulators at the state level and at the federal

1 level?

2 MR. BUCKMAN: I think at the federal
3 level, the response would be fairly unemotional.
4 It would be show me the project, show me the
5 benefits of doing it with technology "A" versus
6 technology "B" versus technology "C", show me the
7 risks, show me why you want to go the way you want
8 to go. If we say okay to it, you can take it to
9 the bank.

10 I think there is a feeling at most
11 states that there is a little bit more backward
12 look in regulation that it is fine that we say,
13 okay, go ahead with it, but if it doesn't work
14 out, it is on your shoulders, not ours.

15 The concerns about 20/20 hindsight in
16 regulation are concerns which if I were the CEO of
17 one of the utilities in California, I would be
18 more concerned about state regulation than I would
19 federal, but the same would be true if I were the
20 CEO of a utility in Michigan or Oregon or Idaho or
21 any place else.

22 PRESIDING MEMBER GEESMAN: Let me ask
23 you to put your utility hat on and reflect on
24 procurement of generation or procurement of
25 contracts for generation. What level of

1 transparency do you think is necessary or
2 appropriate there from a utilities perspective?

3 MR. BUCKMAN: I have to separate my
4 answer into two parts. There are some utilities
5 that are also market participants in an
6 unregulated way. There are some utilities that
7 participate only through their regulated side of
8 the business. I am not enthusiastic about
9 utilities having an unregulated participation in
10 the markets. There are some companies that are
11 doing very well, although, I think that they might
12 be abusing their position a bit. I know that FERC
13 just spoke on the due power situation within the
14 last couple of weeks, they also spoke on the
15 southern situation.

16 Set those aside, and look at the ones
17 that are purely regulated players, I would say
18 that the kind of appropriate level of transparency
19 is complete.

20 I think it is very difficult to have
21 complete transparency if you are also a non-
22 regulated participant.

23 PRESIDING MEMBER GEESMAN: You don't
24 feel that based on your customer's interest, the
25 rapacious generators might be able to take

1 advantage of you if you had complete transparency
2 in your procurement?

3 MR. BUCKMAN: You know, there are very
4 small people in utilities, and the answer is that
5 it is possible, but it is not one of the things I
6 would lay awake at night worried about.

7 PRESIDING MEMBER GEESMAN: You truly are
8 somebody from Oregon. I appreciate your being
9 here, and I find your comments very helpful.
10 Thank you. Thank you very much.

11 Jesus.

12 MR. ARREDONDO: Commissioners, good
13 afternoon. My name is Jesus Arredondo, and I am
14 here for the Western Power Trading Forum today.

15 We thank you for inviting us and
16 allowing us a moment to share some of our thoughts
17 as we reviewed the questions that were posted to
18 this proceeding.

19 The biggest challenge is that we see the
20 State of California having is attracting obviously
21 new investment in generation and transmission as
22 we here. In looking at those two issues, we think
23 that you can group those into two areas. One is
24 finishing what we have started, and the other is
25 staying on point, staying on message.

1 The word that we get from perspective
2 investors and financial community is that they see
3 things changing, but they have not changed to the
4 point where people are comfortable enough. In
5 fact, we can look at outgoing FERC Chairman's exit
6 interview if you will from last week that I think
7 Greg referred to where he assigned a D+ to
8 California.

9 PRESIDING MEMBER GEESMAN: Actually, if
10 you had been here, you would have known that I
11 referred to it and embraced it.

12 MR. ARREDONDO: Okay. I suppose we can
13 embrace it even more if we measured it against
14 blackouts and called those "F's" and a D+ is a
15 good moving forward, but it is still not a passing
16 grade if we were to look at it on a four point
17 scale.

18 What can we do, and I think that is one
19 of the issues that WPTF took with it. What we saw
20 was you need a plan to come out from that D and
21 move up in the grade scale and get a passing
22 grade.

23 We have come up with a few points that
24 I'll share, and in the interest of time, I know
25 that going last is always a hard thing to do

1 because people are starting to fall asleep and
2 wondering about how they are getting home. So, I
3 will try to go quick.

4 First under finishing what we started,
5 No. 1, we need clear trading rules. Those have
6 been touched on, but I want to touch on it just a
7 little bit more. The ISO and the PUC with the
8 CEC's urging must specify the energy delivery
9 points for the ISO's future market design and how
10 prices will be calculated at the trade hubs. How
11 congestion will be allocated and settled, and
12 adopted capacity product that is acceptable to
13 both the PUC and the ISO.

14 While we applaud the recent achievements
15 of these agencies in terms of establishing this
16 long term procurement order, time is running out,
17 and we need to get there a little bit sooner than
18 later.

19 No. 2, we encourage the PUC -- we will
20 encourage and we have been encouraging the PUC to
21 issue the resource adequacy order by August. It
22 is right around the corner. I hope that they make
23 it. Detailed implementation plan for enforcing
24 resource adequacy will encourage we hope FERC to
25 ease or eliminate altogether some of the market

1 mitigation rules that are impeding investment in
2 California right now.

3 No. 3, as Katie alluded to earlier, we
4 are also calling for the elimination of the ISO
5 must offer obligation. That has been a huge
6 hurdle for investment. It has been a terrible
7 thing for IPP's, and we would like to see that go
8 away.

9 In our second phase of looking at this
10 strategy, we called it staying on message, and
11 that we would call for the reinforcement of
12 competitive solicitations. The CEC and the PUC
13 have taken steps to encourage that, and we would
14 like to again encourage you to continue on your
15 efforts to do that.

16 Last, the state must hold open all
17 options to establish a core/non-core market. That
18 also is a huge hurdle for the investment
19 community, for the utilities to get the rest of
20 this market together from the PUC, from the CEC,
21 from the ISO, from all perspectives to make sure
22 we get this investment back into California. All
23 of these need to be done so that California can
24 have a passing grade I will call it. More
25 importantly so that we can prevent the next

1 crisis.

2 We lived through an ugly period and
3 hopefully we are getting closer to a better time
4 in California, and putting this behind us the
5 sooner the better so that we can -- I don't know
6 what we would do if we didn't all of these things,
7 all of these hearings, but I look forward to that
8 day. Thank you.

9 PRESIDING MEMBER GEESMAN: Thank you,
10 Jesus. I wonder if you could elaborate a bit more
11 on your thoughts on an appropriate capacity
12 product.

13 MR. ARREDONDO: You know, I will let
14 some of our papers speak for themselves. We have
15 quite a bit of information that we can offer to
16 you, and I will request that the WPTF submit that
17 in writing to you.

18 PRESIDING MEMBER GEESMAN: I would
19 appreciate that. I think that is the only
20 question I had.

21 Any comments or questions from the
22 audience for this panel?

23 (No response.)

24 Anything else that we need to discuss
25 today?

1 COMMISSIONER BOYD: I might say one
2 thing, excuse the interruption, but I just want to
3 let Mr. Buckman know that I too found his comments
4 very refreshing. I very rarely try to compete
5 with Commissioner Geesman when it comes to
6 transmission issues. He has a passion and a
7 knowledge far beyond mine, but as one who was part
8 of a small group of people in early 2000 who was
9 trying to get Path 15 fixed, I have a lot of
10 painful memories and what have you, and that
11 brought a lot of them back.

12 I just wanted to indicate that was
13 refreshing, and as Commissioner Geesman said, he
14 is obviously from Oregon. In any event, I look
15 forward to more.

16 MR. BUCKMAN: Actually, I am from
17 Michigan, I live in Oregon.

18 COMMISSIONER BOYD: Lucky you.

19 PRESIDING MEMBER GEESMAN: Let me say
20 just from a historical context standpoint, my
21 staff advisor, Ms. Jones, was involved in
22 attempting to get the Path 15 project off the
23 ground and then called the California Oregon
24 Transmission line in the 1980's when it was
25 perceived by our sister agency to be a white

1 elephant and one which would never be built
2 without the involvement of the investor owned
3 utilities, so they were denied participation in
4 it. So, we have a long history with some of these
5 fiascos and hopefully we are working our way
6 through that.

7 I want to thank everybody for hanging in
8 there with us today. We will hopefully see you at
9 another workshop soon. Thank you.

10 (Whereupon, the workshop was adjourned.)

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CERTIFICATE OF REPORTER

I, SEAN WILLARD, an Electronic Reporter, do hereby certify that I am a disinterested person herein; that I recorded the foregoing California Energy Commission Workshop; that it was thereafter transcribed into typewriting.

I further certify that I am not of counsel or attorney for any of the parties to said workshop, nor in any way interested in outcome of said workshop.

IN WITNESS WHEREOF, I have hereunto set my hand this 22nd day of July, 2005.

Sean Willard